Drug Pretesting Need Argued —Page 3

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 149 No. 8 — Schnell Publishing Company, Inc., Publishers — February 25, 1946

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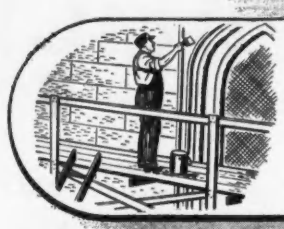

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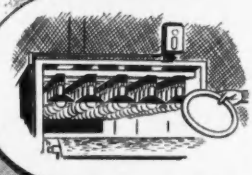

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Federal Insecticide Rules Accord Reached

OPD Washington Bureau

A complete agreement between members of the insecticide industry and the government, except insofar as regulations of rodenticides is concerned, was reported to the house committee on agriculture, February 21, on the new insecticide bill.

Details of the changes to be made in the provisions of H.R. 4851 to regulate the marketing of economic poisons and devices, will not be made public, however, until they have been incorporated in a new bill which Representative John Flannagan, Virginia, chairman of the committee, will introduce next week.

Mr. Flannagan announced that, following introduction of the new bill, he will call the committee for further hearings on the legislation in order to give every opportunity to those interested to make known their views before the committee acts to report the measure to the house.

The changes agreed upon by the industry and the government do not go to the fundamentals of the legislation but are in the nature of clarification of the language and intent. One of the clarifying changes relates to the dual jurisdiction between the Department of Agriculture and the Federal Trade Commission over labeling. This has been rewritten to provide assurances that the FTC's supervision over advertising does not extend to directions for use.

Another change is to make certain that the measure does not apply to chemicals which are not intended for use as insecticides. With respect to rodenticides the group has left to the decision of the committee whether authority is to be written into the bill empowering the Secretary of Agriculture to prohibit or limit the sale of such products found to be highly toxic to humans.

API 'Trust' Suit To Be Answered May 20

OPD Washington Bureau

The United States District Court for the District of Columbia has set May 20 as the date for filing of motions, answers, and pleadings in the government's antitrust suit against the petroleum industry.

The case was originally filed September 30, 1940 by the government against twenty-two major oil companies and their subsidiaries and the American Petroleum Institute. Further proceedings were postponed during the war at the request of the Army and Navy because of its possible interference with the war effort.

Defendants are charged with having conspired to fix and maintain uniform, non-competitive prices for crude oil purchased from independent producers and for oil sold to independent refiners, restricted the production of crude and products, controlled transportation and marketing. It is also alleged that the defendants unlawfully combined to create the API and to utilize it to promote, supervise and enforce the various allegedly illegal policies and practices enumerated. The suit seeks an injunction against the continuance of these and other practices and the dissolution of the institute.

Gray & Co. Names Chamberlain Secretary

David R. Chamberlain, since 1935 a member of William S. Gray & Co., chemicals, New York, has been elected secretary of the company, succeeding Stephen P. Kelly, resigned. Another change in the official family was the election of Fred R. Gates as treasurer of the organization. He succeeds William F. Hencken who had served in that capacity for thirty years. Mr. Gates joined the Gray company in 1935 on his graduation from Princeton University, having been in charge of the naval stores department.

Susquehanna to Sell Wood Chemicals Direct

The Susquehanna Chemical Corporation, with offices in 247 Park avenue, New York, has elected Stephen P. Kelly executive vice-president and a

Stephen P. Kelly

member of its directorate, according to Phillip C. Crowen, president of the company.

Mr. Kelly, a former official of William S. Gray & Co., commission merchant, New York, will have charge of the sales of the company's products, which will be handled direct.

The Susquehanna Chemical Corporation operates seven strategically located plants in Northern Pennsylvania engaged in the production of basic wood chemicals and by-products, with complete refining facilities.

Paper, Pulp Ass'ns To Meet in N.Y. Today

The American Paper and Pulp Association and affiliated organizations, including the Technical Association of the Pulp and Paper Industry, will meet in New York, February 24 to March 1. TAPPI meetings will be held in the Hotel Commodore; American Paper and Pulp Association and certain other affiliated organizations, including the National Council for Stream Improvement, will meet in the Waldorf-Astoria, New York.

Drug Pretesting Need Climaxed In Sales Parley on Streptomycin

OPD Washington Bureau

The advisability of amending the new drug section of the Federal food, drug, and cosmetic act to provide rules by which the drug industry can determine when a new drug should be subject to certification or pretesting before marketing was discussed with officials of the Food and Drug Administration this week by representatives of the American Drug Manufacturers Association.

The suggestion came up during a conference on policy to be applied by the FDA with respect to the marketing or streptomycin. The industry has requested that this drug be treated as other new drugs under the new drug section of the law, but the FDA has concluded that streptomycin is of a class of drugs that should be certified by the government before it is put on the market for sale.

The agency has informed the industry that it will be willing to accept the drug under the new drug section, provided the producers will submit samples from each batch for testing and certification before marketing, and providing further that a statement is given to the agency by the industry to the effect that it believes in pretesting of streptomycin.

At the conference this week, it is understood that the FDA admitted the validity of the industry's arguments that the submission of such a statement might have the effect of putting the industry in a position of perjuring itself in the event that some question might be raised in the future, but it was insisted that the FDA did not have the facts and it needed facts to support the pretesting theory.

While the industry has expressed a willingness to cooperate with the FDA on its problems, the point was made at the conference that some means should be made available to industry by which it would be able to know, when a new drug is developed, whether it is of a type that should be subject to

—Continued on page 40

Kinsman Takes Raskob Place on du Pont Board

J. Warren Kinsman, general manager of the fabrics and finishes department of the E. I. duPont de Nemours & Co., has been elected to the direc-

J. Warren Kinsman

torate of the company, succeeding to a vacancy caused by the resignation of John J. Raskob, who has also resigned as a vice-president.

Mr. Kinsman started with the du Pont company in 1915 as a foreman

—Continued on page 39

FTC Setup Streamlined

OPD Washington Bureau

An internal reorganization of the Federal Trade Commission to improve and expedite its normal operations and to expand and enhance the cooperative phases of its work, has been approved by President Truman, it was announced February 19 by the commission.

The Medical Advisory Division has been retained in the new setup as a separate division with instructions to avoid duplication of effort or conflicts with the scientific work of the Food and Drug Administration. The division, the commission said, will undertake project investigations in cooperation with the FDA and the U. S. Public Health Service.

Voluntary stipulations agreeing to cease and desist have, in the past, been negotiated by two separate divisions in the FTC. A division of stipulations in which this function has been consolidated has now been established. Procedure has also been provided for a proposed respondent to present informally full facts and argument and to meet the facts and arguments of a representative of the office responsible for the preliminary investigation.

Another important functional change relates to the activities and authority of trial examiners. The commission has approved a motion making applicable to the Trial Examiners Division and its functions the provisions of S. 7, a bill to improve the administration of justice by prescribing fair administrative procedure, now pending in the Senate. The bill aims at streamlining the administrative functions of all government agencies and to require that their rules governing hearings conform more nearly to those of the courts.

The cooperative phase of the commission's work has been increased by

—Continued on page 39

FTC Appropriation Increased $239,000

OPD Washington Bureau

An increase in appropriations of $239,000 for the Federal Trade Commission over the amount voted by the house to enable the commission to expand its industry reporting activities and to strengthen its law enforcement and trade practice conference work was approved by the senate this week with the passage of the Independent Offices Appropriation Bill for the fical year 1947.

In its request for funds to the house made several weeks ago, the commission sought an increase of $209,880 in its current year's appropriations for

—Continued on page 39

Penicillin Distribution Licenses to Be Revised

OPD Washington Bureau

All outstanding individual licenses for the exportation of penicillin which had been validated prior to December 1, 1945, are to be revoked effective February 25, it is announced by the Office of International Trade of the Department of Commerce.

The action is being taken, it was explained, because of the shortage of the drug and to make possible a more equitable distribution both here and abroad. There was no estimate of the amount of penicillin involved in the licenses being revoked, but it was said, that applications had been made for permission to export "some rather sizable amounts."

Holders of the individual licenses are being asked by the Office to return the licenses to the Health Supplies Branch immediately. At the same time the Office will entertain applications for new individual licenses. New licenses are issued for export of penicillin, which have a validity period of 60 days, whereas generally, such licenses are valid for one year from date of issuance.

The order of the OIT does not apply to shipments of penicillin which were on dock, on lighter, laden aboard an exporting carrier or in transit to a port of exit pursuant to an actual order for export prior to February 25 for which individual licenses validated prior to December 1 had not expired or been revoked.

WAC Penicillin Plant Sold to Ben Venue

The penicillin plant at 270 Northfield road, Bedford, Ohio, together with machinery and equipment, will be sold to the Ben Venue Laboratory, Inc., wartime operators, for $150,000, subject to the priority rights of Federal government agencies, the War Assets Corporation has announced.

The purchaser plans to use the plant for manufacture of hormones, and antibiotic and other biological products and expects to employ from 50 to 100 persons.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Feb. 20, 1946	Feb. 14, 1946	Feb. 28, 1945
135.8	**135.1**	**133.2**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Prices in the markets for chemicals, oils, and drugs were boosted further last week. The reported changes were in a narrow area, being confined almost wholly to oils and waxes, botanical drugs and aromatic oils. The last sector had all the price activity on the down side except that which related to the other aromatic group, spices.

The general aspects of the markets underwent very little change. Every sector had as much business as it could handle and had to allow much more to go a-begging. How the increased consumption that must attend the expected greater activity in consuming industries will be taken care of is one of those things which nobody knows. Doubtless there will be a repetition of the "miraculous" which is providing a supply of good money in the Philippines.

Late Markets

Fertilizer Demand Heavy

Buying interest in fertilizer materials was exceedingly active in the Los Angeles area, with offerings very light. Baltimore reports demand heavy and stocks short, with the government having difficulty in securing materials for soil improvement organizations. Chicago noted a good inquiry, with more business placed in the nitrogenous agencies.

CCC Commodity Stocks

Inventories of basic commodities owned or held as loan collateral by the Commodity Credit Corporation and of general commodities owned by CCC are reported by the Department of Agriculture, on the basis of reports received through January, to have included at December 31 the following stocks:—

Basic Commodities

	Owned outright	Held as collateral
Cotton linters.....lbs.	91,171	.....
Flaxseed .....bus.	510	152,499
Oil, coconut.....tons.	45,926	.....
Cottonseed .....tons.	38	.....
Linseed .....tons.	1,680	.....
Neatsfoot .....tons.	188	.....
Palm .....tons.	782	.....
Palmkernel .....tons.	6,128	.....
Rapeseed .....tons.	1,924	.....
Sardine .....tons.	119	.....
Sunflower seed....tons.	323	.....
Tung .....tons.	278	.....
Oils, vegetable (1944)... lbs.	38,104,500	.....
Peanuts .....tons.	42,526	117,147
Rosin .....dms.	.....	22
Soybeans .....bus.	*12,327,758	14,613
Turpentine .....gals.	676,144.5	.....
dms.	.....	6,919

* Including stocks held by processors for repurchase from CCC.

General Commodities

	Owned outright
Acetic acid, glacial, U.S.P.....lbs.	136,120
Baking powder.....lbs.	266,976
Citric acid, gran.....lbs.	1,100
Diastatic enzyme.....lbs.	115
Fertilizers, insecticides, etc....lbs.	453,256
Flavoring extracts, food colorings, etc. .....tabs.	2,925,000
Hops .....lbs.	21,513
Lard and other animal fats....lbs.	57,829,118
Milk, dried.....lbs.	111,342,374
Naval stores.....lbs.	1,130,497
Oils, vegetable.....lbs.	1,095,971
Oleomargarin .....lbs.	24,493,913
Pectin, dry.....lbs.	40,000
Rennet powder.....lbs.	2,661
Salt .....lbs.	224,036
Shortening .....lbs.	6,519,672
Soap and related products.....lbs.	16,832,585
Soapstocks .....lbs.	60,321
Soybeans .....lbs.	795,900
Starch, laundry.....lbs.	226,080
Vitamins and preparations.....lbs.	475,858
kilos.	6,212,284
M/U.	143,450
Tablets .....lbs.	146,632,000
Yeast .....lbs.	66,152
Tablets	22,320,000

American Trade Ass'n Group to Meet April 29

The American Trade Association Executives will hold its Spring meeting April 29 in the Ritz-Carlton Hotel, Atlantic City, N. J. It will be the first meeting since 1942.

OPA Clarifies 'Unadjusted Prices'

The Office of Price Administration has clarified its provisions for using the expense-rate formula to figure adjustments in wholesale and retail prices, by stating exactly what was meant by "unadjusted price."

To make the proper calculation under the order, wholesalers and retailers must know their suppliers' prices before adjustment. In the case of certain supplier adjustments (as, for instance, those granted for wood household furniture) which are permitted to be passed through in part to subsequent levels, the supplier is required to give the distributor an invoice stating as an "unadjusted price" a price that includes a part of the adjustment granted to him.

Today's action, effective February 25, 1946, makes it clear that the distributor is to consider the "unadjusted price" stated on the invoice as the one that he is required to use in figuring his adjustment.

(Amendment 1 to Supplementary Order 145—Wholesalers' and Retailers' "Expense Rate" Adjustment—effective February 25, 1946.)

Naval Stores Offered For Sale by Government

OPD Washington Bureau

The Department of Agriculture is offering a considerable quantity of naval stores for sale under announcement SC 36 and will receive bids for the material until 5 p.m., March 1. Priority to purchase will be given to the following groups in the order named:—(a) original vendors or processors; (b) vendors or processors of like commodity; (c) wholesale distributors, chain stores and other such trade groups; (d) all others.

The materials offered are:—7,278 pints of gum turpentine stored at Memphis and 630 gallons stored at Albany, N. Y.; 27,790 gallons of wood turpentine stored at Syracuse, N. Y., and 1,918 gallons stored at Atlanta, Ga.; 242 pounds of balsam, Canada, stored at Philadelphia; and 781 gallons of rosin oil stored at Chicago.

DSC War Purchases Reported by RFC

OPD Washington Bureau

In a report on operations of the Defense Supplies Corporation through the end of 1945, the Reconstruction Finance Corporation announces that the agency's contributions to the war effort included the purchase of over $890,000,000 worth of alcohol, $2,100,000,000 of aviation gasoline, $205,000,000 of molasses and $177,000,000 of burlap. Other items bought in sizable amounts included nitrate of soda and benzol, calcium carbide, shellac, and sugar.

At the end of 1945, the DSC stockpiles included 15,162,511 pounds of calcium carbide; 225,635,474 yards of burlap; 79,943,932 pounds of jute, and 38,206,041 gallons of molasses. Also in inventory was a five years' supply of opium, consisting of 4,024,104 ounces, which is being held subject to allocation by the commissioner of narcotics.

Bids Wanted

Alcohol:—324 gallons ethyl alcohol; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington 25, D. C., invitations 424-46, opening February 28.

Ammonia Liquor:—10,000 gallons grade A ammonia liquor; U. S. Engineer Office, First and Douglas streets, N.W., Washington 25, D. C., serial W-49-080-32-46, opening March 1.

Fertilizer:—176 tons; Warden, Justice, Prisons, Federal Reformatory, Petersburg, Virginia; invitations 9-2844, opening February 27.

Interior enamel:—100 gallons; Purchasing Officer, District Government, Washington 4, D. C., D. C. Repair Shop, schedule 8001, opening February 28.

Interior oil paint:—600 gallons; Purchasing Officer, District Government, Washington 4, D. C., D. C. Repair Shop, schedule 8001, opening February 28.

Laundry Sour:—400 pounds; Purchasing Officer, District Government, Washington 4, D. C., Tuberculosis Sanatorium; schedule 8000, opening February 28.

Linseed oil, boiler:—100 gallons; U. S. Engineer Office, 2301 Grant street, Mobile 18, Alabama, invitations W-01-076-46-158, opening February 28.

Turpentine:—100 gallons; U. S. Engineer Office, 2301 Grant street, Mobile 18, Alabama, invitations W-01-076-46-158, opening February 28.

AMA Submits Own Medical Plan

The American Medical Association last week announced plans for the development of a country-wide system of voluntary sickness-insurance protection to be operated on a non-profit basis by local medical groups. The average cost to any policy holder under the plan would be "considerably less" than the $144 annual payroll deduction suggested under President Truman's compulsory health-insurance program, according to the Association.

In establishing standards of acceptance for voluntary prepayment medical and hospital-car plans now in operation, the association has decreed all such plans must meet the following requirements before they will be approved:

Have the approval of the state or county medical society in the area in which they operate; the medical profession in the area must assume responsibility for the medical services included in the benefits; provide free choice of a qualified doctor of medicine and maintain the personal, confidential relationship between patient and physician, and be organized and operated to provide the greatest possible benefits in medical care to the subscriber.

Essential Oil Priority Rating in Doubt

The essential oils committee of the agency established by the Dutch government to allocate materials emanating from the Netherlands East Indies last week reported little hope of large-scale shipments of these oils in the near future.

At its initial meeting the committee heard that top priority materials, such as crude rubber, tin ore, gum dammar and tapioca flour, are being moved from the East Indies as fast as possible, but it was stated that the priority status of essential oils had not been determined. Indications were that they may be placed near the bottom of the priority list

Frederick Thurkauf, chairman, told the committee that it could do nothing more, for the time being, but to continue to issue application forms on which importers and agents may give a sworn statement covering imports for each of the years 1939, 1940 and 1941; number and dates of contracts; quantity imported, and kind of oils, with each oil listed separately.

Reece Bill Hearings Resume Feb. 26-27

OPD Washington Bureau

Hearings will be resumed February 26 and 27 on the Reece Bill, HR-2390, by the house committee on interstate and foreign commerce. The bill amends the Federal trade commission act to give the courts the right to reduce findings of facts in the commission's case, and also seeks to eliminate the conflict of jurisdiction between the FTC and the Food and Drug Administration over the labeling of foods and drugs.

Public Health Aid Bill Hearing Set

OPD Washington Bureau

Public hearings on S-1050, the Wagner-Murray-Dingell bill providing Federal aid for public health will open March 18 before the senate committee on education and labor. Senator James E. Murray, of Montana, chairman of the committee, said that efforts will be made to limit the duration of the hearings to four weeks.

Freight Forwards Bill Approved by Senate

OPD Washington Bureau

The senate voted its approval, February 15, of H.R. 2764 amending section 409 of the interstate commerce act to permit freight forwarders to continue to utilize the services of motor carriers under terms and conditions to be prescribed by the Interstate Commerce Commission.

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Marketing Conference To Open in N.Y. Today

The Chamber of Commerce of the United States will hold a national marketing conference in the Hotel Pennsylvania, February 25 and 26.

Distribution, reconversion, price controls are among the subjects listed for discussion.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Financial experts in Washington are beginning to show signs of uneasiness over the continuance by the Treasury of its "easy money" policy in the face of inflationary tendencies in the national economy. The declining interest rates, plus these inflationary trends, are creating uncertainties for industry and the country, the experts say.

Their fear is that the continuance of the government in financing its needs on a low and stable level of interest rates will create an incentive for expansion of credit and purchasing power, which is extremely inadvisable in a period such as at present when goods are scarce. This is because declining rates aggravate the tendency for government debt to pile up in the banks and thus add to the inflation of credit.

While existing Treasury policies have the salutary effect of holding down the cost of interest on the public debt, the declining interest rates, according to the experts, further increase the problem of insurance companies' investments and those of other institutional investors, penalize the accumulation of savings by individuals, and reduce the incentive for investment of capital in new and risky enterprises.

Argentine Flaxseed Trouble

The capital was thick with rumors this week that one of the first acts that can be expected of Col. Peron, should he succeed in his campaign for the presidency of Argentina, will be to place an embargo on the shipment of flaxseed out of his country until some new arrangement has been made with the purchasing governments in the matter of prices.

It has been known for some time that producers in Argentina have not been satisfied with the prices which the United States is paying for the flaxseed and have been pressuring the government to break the contract. Government officials here have had their fingers crossed for weeks, fearing that some such action might be taken.

Shotgun Medicine for Grass

Combining a weedkiller, a fertilizer, and a fungicide in solution for single application to grass and possibly other crops begins to look like a feasible shortcut. Working at the Plant Industry Station, Beltsville, Md., Dr. P. C. Marth and Dr. J. W. Mitchell tried out as a grass spray mixtures of the herbicide, 2:4-D; the nitrogen fertilizer, urea; and the fungicide, fermate and learned that the weedkiller is no worse for the grass when used along with the fertilizer, or with the fertilizer and fungicide, than when used alone.

Previous experiments had shown that 2:4-D in concentration strong enough to kill weeds (1½parts to 1,000) sharply cut down the rate of growth of an established mixture of Kentucky bluegrass, fescue, and redtop. It was a logical move to try to overcome the drawback of retarded growth by making the grass grow faster later and by protecting it against damage by fungi. The experimenters added urea and fermate.

August application of the 2:4-D solution, with enough urea to provide 60 pounds to the acre, made the grass a strong green color within a few days and the weedkilling power of 2:4-D was as good as when used alone. As a result of killing the weeds and feeding the turf, the yield of valuable herbage increased 40 percent to 131 percent during two months. However, when the grass got 90 pounds of urea to the acre along with the 2:4-D solution, it was severely injured for a time.

Sales Help by Government

Senator J. William Fulbright, of Arkansas, has suggested to the senate that the Federal government sponsor an annual "Small Industries Fair" to help little manufacturers cope with their biggest problem—how to make necessary market contacts for the products they are producing or hope to manufacture. He has a bill (S. 1836) to have the fairs conducted by the Commerce department.

All the millions advanced to little business by the government and the numerous pamphlets prepared by the various agencies on treatment of little business problems are hardly worth the effort, Mr. Fulbright points out, if in the end the buyer and the seller are never brought together. A good example is right here in Washington. There are no less than sixty foreign purchasing agencies here, but how many of the thousands of small firms know of these agencies or even how to write to them to present their products? These agencies naturally deal with the large, well-known manufacturers.

The bill contains nothing that has not been done by most of the countries of the world for centuries. In fact, the only thing unusual is that we, in this country, with all the special problems our geography poses, have not developed and exploited the instrument of the annual national fair to stimulate industry and business.

Homecomings Facilitated

There will be no more waiting at docks or airports by American businessmen seeking transportation back home from their visits to Europe if plans that have just been laid out by the Commerce department are allowed to work as they should. One of the big problems about going to Europe in these days has been how to get home again. Visitors have had to wait weeks for accommodations.

Now the Commerce department has completed arrangements with the army and the State department whereby it is to be allowed 25 percent of the passenger accommodations on government-controlled airplanes or ships for American businessmen returning from Europe. And it also has been allotted the same proportion of passenger space for businessmen who want to make trips to or from India, Africa, the Middle East, or the Far East.

American embassies and consulates have all been informed of the new arrangements and the operating procedures are now in effect. Businessmen wishing to apply for transportation allocations should contact the Commerce department's field offices or write direct to the department here, room 3835, Commerce building, Washington 25.

Atomic Energy Too Weak

The old adage that "Everybody talks about the weather but nobody does anything about it" will be just as true in the age of atomic energy as it was the day it was first said. A lot of well-intentioned amateur weather prophets have been suggesting the use of atomic energy to make rain, smash hurricanes, or otherwise influence the weather. But you can take the word of the Weather Bureau that it won't work.

What these people overlook is that, great as atomic energy is, it is still puny when compared with the titanic forces of nature—forces so great that they defy all calculation. To get an idea of the titanic energy involved in a hurricane, for example, it is only necessary to remember that the atmosphere normally, at sea level, weighs about 15 pounds a square inch. The weight of the air on a square foot of surface is more than a ton, and it can readily be seen that the energy needed to move the great mass of air covering an area of thousands of square miles and weighing untold millions of tons is so great that it is not likely to be much influenced by use of an atomic bomb.

All speculation of this type, so far as the meteorologist is concerned, is just about on a par with the report of a farmer who once wrote the Weather Bureau to describe how he smashed a small tornado by flailing it with a piece of two-by-four.

Lead Producers Get CPA Pay Ruling

OPD Washington Bureau

In a move to increase vitally needed domestic lead mine production, the Civilian Production Administration has allowed lead mine producers who started operation after October 27, 1943 to become eligible for the same premium payments as old producers, through a relaxation in restrictions of the Premium Price Quota Plan. The new policy is effective as of February 1, 1946.

Under the premium price quota plan all lead mine production is eligible for "A" and "B" production quotas. These quotas are for producers who cannot operate profitably under the ceiling price of 6½ cents per pound. Under quota "A," the Office of Metals Reserve (Reconstruction Finance Corporation) pays a premium of 2¾ cents per pound above the ceiling price of 6½ cents for production in excess of the quota assigned to any company, or a price up to 9¼ cents per pound. Quota "B" offers an additional 2¾ cents per pound or up to 12 cents for excess production (above the quota) when the additional premium is shown to be warranted. Previously, lead producers who started operations after October 27, 1943, were not permitted to participate in the "B" quota. The purpose of the premium price quota plan is to compensate operators for extra costs involved in bringing out additional metal output. The plan as enacted by Congress expires on June 30, 1946. The notice to lead mine producers reads as follows:—

The Civilian Production Administration issued a statement rescinding in part the instructions of October 27, 1943 (WPB-4496), and November 18, 1943 (WPB-LD 77) which restricted the eligibility of new lead and lead-zinc mines to quotas within the "A" range of the Premium Price Plan. Owing to the critically short supply of lead, effective February 1, 1946, all lead and lead-zinc mines are made eligible for premiums within the "B" range for lead only, provided the operating costs warrant such additional premiums."

Aerosol Bomb Insecticide Shipping Rule Issued

OPD Washington Bureau

An amendment to regulations covering the transportation of explosives to permit the shipment of the aerosol bomb type of insecticide which are to be declared surplus by the Army and sold by the War Assets Corporation, has been announced by the Interstate Commerce Commission.

Another change in the regulation permits the shipment of unstabilized benzyl chloride in nickel drums. The regulations now cover only the shipment of this material in black steel drums and when so shipped it must be stabilized so as not to cause a chemical reaction from being in contact with the steel that would cause explosion

In order to provide for shipment of the aerosol bombs, a new specification 40 has been written into the regulations to cover the bombs of the nonrefillable container type. The regulations include provisions covering construction, cylinder tests, marking and inspection.

Porter Formally Nominated OPA Head

OPD Washington Bureau

The nomination by President Truman of Paul A. Porter as Administrator of the Office of Price Administration was formally submitted to the senate for confirmation February 19. Mr. Porter succeeds Chester Bowles who has been named director of the reestablished Office of Economic Stabilization.

Mr. Porter began his services with the government early in the Roosevelt Administration when he joined the Agricultural Adjustment Administration to be director of publicity. Later he became deputy administrator and then left to do journalistic work. Returning to Washington he became deputy administrator for rents in the OPA and left that post to become director of publicity of the Democratic National Committee. His next post in the government was chairman of the Federal Communications Commission, which job he now leaves to head up the OPA.

Price Control Hearing Gets Bowles Views

OPD Washington Bureau

Hearings were opened February 18 before the house committee on banking and currency on legislation to extend the life of the price control act for another year with a warning by Price Administrator Chester Bowles that the next few months will tell whether the nation's economy will remain stabilized or be allowed to enter a period of disasterous inflation.

With a strong movement underway in and out of Congress for drastic curbs being imposed on the authority of the OPA, the committee is being importuned from all sides by persons wishing to be heard with every indication pointing to a lengthy session of public testimony taking before the committee gets down to the business of agreeing on a bill.

Mr. Bowles strongly defended the government's new wage-price program. The basic principles of the program are good, he said, and are workable and "if we have congressional as well as public backing, they will enable us to keep inflation under lock and key and to maintain stability in our American economy." Continuing Mr. Bowles said:—

On the wage side, control has been reestablished. This does not mean a wage freeze. Wage increases within the industry patterns already laid down since VJ-Day will be approved by the government. Every effort will be made to speed up action and to establish streamline procedures.

What does this new policy mean to prices? It means that manufacturers will no longer be required to wait six months before the wage increases which they have granted will be taken into consideration in setting their prices. If for any reason an industry—operating at normal volume—is in hardship price adjustments will be granted. These price adjustments will be designed to assure the minimum level of peacetime earnings for that industry during the coming year.

He appealed to the committee to extend the authority of the OPA without amendment and at the earliest possible moment. The speculative fever in this country has reached such a pitch, he warned, that it can be overcome only if it is unquestionably clear to everybody that the congress, no less than the Executive Branch of the government, is determined that inflation shall not come.

Pay Rise Curb Off Until March 15

An interim pay-price order has been issued by the Office of Economic Stabilization to implement President Truman's new policy by making it possible for wage increases to be granted in all industries without prior government approval until March 15. To be grounds for a price-relief application, based on the wage increases involved, each increase must later be approved as within the pattern of post-V-J Day wage increases in the industry concerned.

Another salient factor in the national economy picture was the signing by President Truman of the long debated bill which sets up a three-man council to "create and maintain" conditions affording useful employment opportunities. The bill is a modification of the Truman "full employment" measure proposed to Congress last summer.

G.E. Allen Named To RFC Directorate

George E. Allen, former Commissioner of the District of Columbia and close personal friend of President Truman, was confirmed by the senate February 18 as a member of the board of the Reconstruction Finance Corporation.

The voice vote approval of the nomination came after efforts upon the part of the Republicans to have nomination recommitted to committee for further study were defeated. During the debate Mr. Allen's name was linked up in newspaper reports of efforts by General Aniline & Film to block a movement reported underway in the government to throw all the I. G. Farben patents held by General Aniline & Film open to free licensing to American industry. Mr. Allen is a member of the board of General Aniline & Film which was taken over by the Alien Property Custodian early in the war.

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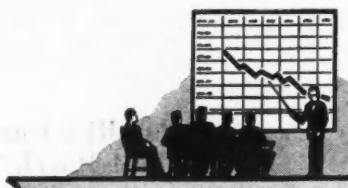

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Molecular Weight	59.11
Boiling Point, °C	31.9
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Flash Point, Tag Open Cup	
°C	−26
°F	−15
Specific Gravity, 25°C/4°C	0.686
Refractive Index, 20°C	1.3763
Ionization Constant	K=5.3 x 10-4
pH of 0.1 Molar Aqueous Solution	11.57
Color	Water White

Vapor Pressure	Temp. °C	mm Hg
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	20	478
	30	718
	40	1030
	50	1500

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Insecticide Research Developments Told

OPD Washington Bureau

New developments resulting from research in the field of entomology promise far-reaching effects upon the general control of insect pests in the future, Dr. P. N. Annand, chief of the Bureau of Entomology and Plant Quarantine, said in his annual report to the administrator of the Agricultural Research Administration.

These developments, Dr. Annand said, probably will effect large-scale programs to combat outbreaks of injurious insects and should, although perhaps in a less direct way, influence quarantine activities. Many of these new developments will be of use in combating insect pests on the farm and in the home.

The search for new and improved insecticides and fumigants, and research upon improving the effectiveness of those which are well-known, has been continued by entomologists of the bureau, according to Dr. Annand. DDT still holds the spotlight in the insecticide field. Present results indicate that DDT will assume an important role in the control of many common household insects. DDT shows considerable promise as an insecticide for such important insects as the codling moth, gypsy moth, European corn borer, cabbage caterpillar, and Japanese beetle.

Over 1,600 different compounds were synthesized as insecticides and some proved to be definitely toxic to insects. Among the material tested was the gamma isomer of benzene hexachloride which was found to be more toxic to some insects than DDT. The practical application of these new insecticides will not be known until extensive investigations are conducted on insects outside the laboratories.

The discovery that insecticides, such as DDT, can be applied in highly concentrated form, has made it necessary to develop new types of spraying and dusting equipment. Tests of insecticides applied as aerosols for controlling field and garden insect pests necessitated an entirely new kind of spray unit.

A DDT-containing aerosol released under a shallow portable hood from an 80-pound refillable cylinder produced highly satisfactory kills of several kinds of insects found as pests on truck crops, especially the pea aphid and aphids that attack potatoes. In discussing reports from bureau entomologists concerning new types of machinery for the distribution of aerosol and smoke insecticides and the use of aircraft for this purpose, Dr. Annand said:

A concentrated spray broken up into very fine droplets, can be effectively applied from the air. As little as one gallon will give food coverage over an area as large as an acre on certain types of foliage. This opens up new possibilities for the application of liquid insecticide material from the air.

Methods and formulations for the use of DDT developed by entomologists of the Bureau of Entomology and Plant Quarantine for the military services may, with modification, be useful in the control of many insects of importance to domestic livestock or field crops. Research on these and other improved methods for insect control is being continued.

Scientific Data Reports On Germany Issued

OPD Washington Bureau

A total of 181 reports on scientific and industrial information, obtained in Germany and German-occupied countries, as well as data obtained through research sponsored by the United States were placed on sale by the Office of the Publication Board, Department of Commerce. Materials, manufacturing processes, products, developmental work, and other scientific and technical matters are discussed in the reports.

The number of reports made available to the public, including those placed on sale during the mentioned week, total almost 2,000. Of this total, 545 reports are obtainable in multilithed or mimeographed form, and the rest in photostat or microfilm form. The newly available reports are available only in photostat or microfilm form. The largest group has to do with radar and related subjects. Twenty-four have reference to chemicals and related materials.

Research Results Held Factor in Budget Plans

Closer cooperation and understanding between a company's research department and its budget guardians was urged last week by Dr. Norman A. Shepard, chemical director of the

Dr. Norman A. Shepard

American Cyanamid Company, New York.

Addressing the New York chapter of the National Association of Cost Accountants, Dr. Shepard advised them to make certain that their laboratories are provided with sufficient funds now, so that when competition becomes acute the laboratories will be in a position to lower costs and increase the quality of existing products as well as have new products ready.

Dr. Shepard acknowledged that one of the accountant's prime duties is to save money, but emphasized that the research man must not have his style and enthusiasm cramped by being held too closely to commercial considerations.

Patents Applications Bill Passes House

OPD Washington Bureau

Priority rights of inventors to file applications for patents with the United States Patent Office under certain conditions would be extended for a period of one year under terms of a bill (H.R. 5223) passed by the house February 18. At the same time the house approved H.R. 3757 to set up a public registry in the Patent Office of patents available for licensing.

The priority rights covered by H.R. 5223 are those contained in section 4887 of the Revised Statutes and the bill provides that these rights shall be continued for twelve months from the date of passage of the act if those rights had not expired on September 8, 1939. The extension also covers the rights of foreign inventors in those countries which extend reciprocal privileges to citizens of the United States.

Research Section Set Up by Commerce Dept.

OPD Washington Bureau

A production research and development division has been established in the Department of Commerce, to "initiate and conduct research and development work on such materials, processes and inventions as will advance the technological productivity of the nation." The work was transferred from the Civilian Production Administration by a Presidential order.

Research Plan Studied By Princeton Univ.

Princeton University has formed a committee on contract research and patent policy to determine how much industrial and governmental research can be handled by the university's scientific staff. The committee's chief concern will be to determine the number of research agreements to which the university can be committed without unbalancing its educational responsibilities.

Industrial Applications of Chemicals and Related Materials

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2:4:6-Dipropylmethylphenol

Petroleum — Antioxidant (U.S. 2257869, 2257870, 2257871, and 2257872) for insulating oils (used in conjunction with small amounts of normal tetrahydrofurfurylparaaminophenol or trithiophenyl phosphate).

Distearyl Maleate

Fats, Oils, and Waxes—Antioxidant for animal fats and vegetable oils, such as butterfat, and olive, corn, castor, and poppyseed oils, at 1:1000 contrations.

Commercial Solvents Names Sanders to Post

John G. Sanders has joined Commercial Solvents Corporation, New York. His activities will be concerned

John G. Sanders

with the development of markets for insecticides, fumigants and allied products. He will work closely with the agricultural division of the company.

Mr. Sanders, a former president of the American Association of Economic Entomologists, was in charge of the food division of the Office of Coordinator of Inter-American Affairs in Brazil. From there he went to Peru and Bolivia to increase the production of quinine, and was later sent to Iran to control the distribution of food.

Chemical Engineers To Meet with TAPPI

A joint meeting of the American Institute of Chemical Engineers with the water committee of the Technical Association of the Pulp and Paper Industry will be held at the Hotel Pennsylvania, New York City, on February 27 and 28.

On the 27th the program will be under the chairmanship of Lewis B. Miller, of W. H. & L. D. Betz of Philadelphia, who is chairman of the water committee of TAPPI. The program will consist of eight papers dealing with the treatment of water for the paper industry before and after use. There will be reports of surveys made on the question of stream pollution by waste water from paper mills. At the group luncheon, which is scheduled for 12:30 p.m., in the grand ballroom of the Hotel Pennsylvania, Major E. W. Lafferty will discuss his experiences in China, where he spent a considerable period working on war production problems.

Ames Names Larkum Medical Director

Dr. Newton W. Larkum has been appointed medical director for Ames Company, pharmaceutical manufacturer, New York. Dr. Larkum, recently discharged as a lieutenant-colonel in the Medical Corps, is a Fellow of the American Public Health Assoication, a member of the Society of Experimental Biology and Medicine, and the Michigan Pathological Association.

1:4-Dioxanediol 2:3-Dicinnamic Ester

Resins—Copolymerizing agent (Brit. 534579) in making styrene copolymers which are clear, transparent solids having the general appearance and physical properties of polystyrene, soluble in aromatic hydrocarbons, and useful for making moulded articles, varnishes, lacquers, paints, and other coating compositions.

4-Hydroxy-1-phenylpyrazole 3-Carboxymetaxylidide

Photographic—Emulsion improver (Brit. 542149) (used in conjunction with organic developing agents, gives grey images suitable for fine-grain black and white pictures).

Metaxylylmethylcarbinamine

Pharmaceutical — Claimed (U.S. 2246529) useful in treating afflictions of the nervous system.

Suberic Acid Cyclic Acyloin

Cosmetic—Ingredient (U.S. 2228268) of perfumes.

Fats, Oils, and Waxes—Claimed (U.S. 2228268) as synthetic wax.

Resins—Intermediate (U.S. 2228268) for making synthetic resins.

Terpenylglycol Ether Thiocyanoacetate

Chemical—New terpene compound, claimed (U.S. 2239945, 2239946, 2227058, 2227059, 2227060, and 2226061) interesting for research and manufacturing experimentation.

Medical Supplies Surplus Sale Feb. 28

A large sale of government-owned surplus medical, surgical, hospital supplies, and pharmaceuticals will be held February 28, 1946, it was announced today by Col. Frank L. Seymour, associate New York regional director of the Consumer Goods Division of War Assets Corporation, Empire State Building, New York.

A complete display of this surplus property has been set up in the Consumer Goods Warehouse, of the War Assets Corporation, 188 West 230th street, New York, where samples of the merchandise to be offered for sale on sealed bidding may be inspected by prospective purchasers, February 25 to 27, from 10 a.m. to 3 p.m. and February 28, from 10 a.m. to 12 noon. Purchasing agents, trade representatives, and other qualified purchasers are invited to inspect this exhibit which covers an area of approximately 7,500 square feet on the first floor of the warehouse.

The display, covering both used and unused items, is organized in categories in order to give a complete picture at a glance of the various supplies and instruments offered for sale to dealers in hospital, medical, surgical and dental supplies, and pharmaceuticals. The samples are attractively displayed on tables about 14 feet long, flanked by complete sets of field operating lamps.

Imported Cresylic Gets New Ceiling Prices

OPD Washington Bureau

Establishment of new ceiling prices for imported cresylic acid to reflect the increase in price that has taken place since the removal of controls over this product by Great Britain, were announced February 21 by the Office of Price Administration.

The new ceiling for importers, effective February 26, will reflect incured costs, plus ten cents per gallon. For retailers the ceilings are incured costs, plus five cents. Based on current costs the new ceilings are approximately two cents a gallon above the former specific ceiling prices which had been established during the war in cooperation with the British government price control agency that handled export of the acid.

OPD—2-25-1946

Soluble 2,4-D

Costs Less to Formulate

RECENTLY THE J. T. BAKER CHEMICAL CO. offered to the manufacturers of weed killers 2,4-D itself, and the sodium salt of 2,4-D. Because the sodium salt is soluble in water it costs less to formulate. This product is a chemical compound and not a mixture. There have been so many requests for further information, that we take this method of presenting some of the facts pertaining to this product.

GENERAL

The chemical 2,4-D is 2,4-dichlorophenoxyacetic acid. It is a white powder of limited solubility in water. Since the acid form is not very soluble in water, it must first be dissolved in a "Carrier." A 10% to 15% solution of 2,4-D in a carrier is first prepared (temperatures above 125°F.), and this coscentrate is dissolved in warm water to give a spray solution of the desired concentration. The acid can also be dissolved in water by adding 20-30% sodium carbonate. This apparently converts the acid form to the more soluble salt.

The sodium salt of 2,4-D, as supplied by Baker, is the monohydrate. It is also a white powder, and like the acid is a non-corrosive, non-inflammable material. It differs from the acid form of 2,4-D in that it is soluble in water. A 4% solution of the 2,4-D salt in water can be prepared at room temperature. A spray solution containing 0.1% 2,4-D can be easily prepared by dissolving 1 pound of sodium salt in 100 gallons of water directly, *no carrier being necessary.* A wetting agent can be incorporated either with the dry powder, or added to the final spray solution.

METHOD OF APPLICATION

2,4-D is usually applied in an aqueous solution containing 0.1% 2,4-D. It is applied at the rate of 4-5 gallons per 1000 square feet on lawns, and 6-7 gallons per 1000 square feet (300 gallons per acre) on larger plants and in fields.

Recently, work has been done applying 2,4-D as a dust, using various carriers. The rate of application was 4 lbs. of dust per 1000 square feet. The use of dust does not appear to be a very economical way of applying 2,4-D. Furthermore, in using dusts there is danger of the destruction of desirable plants by the drifting of dust particles.

FORMULATION OF 2,4-D

With the production of the soluble salts of 2,4-D, such as the sodium salt produced by Baker, the use of a carrier is no longer necessary. The salt can be dissolved directly in water (1 pound in 100 gallons of water) and a wetting agent added to the solution. It would also be possible to incorporate a solid wetting agent with the dry powder for small sales. Recently Marth and Davis of the Bureau of Plant Industry, U. S. Dept. of Agriculture, carried out some work comparing the action of the acid form of 2,4-D (in a carrier) with the sodium salt. In all their tests the *sodium salt dissolved in water containing a little laundry soap was about as effective as the expensive acid-carrier formulation.* Other wetting agents have been found very satisfactory. It is necessary to use a good wetting agent and spreader on plants having waxy foliage.

WHERE CAN 2,4-D BE USED?

A great deal of work is being carried on all over the country to evaluate properly the position of 2,4-D as a weed killer. The present status is best judged by the reports given at the recent meeting of the North Central States Weed Control Committee in St. Paul at which results of the field tests carried out last summer were reported. The Committee definitely went on record as approving the use of 2,4-D against lawn and turf weeds.

Ragweed can be effectively controlled by 2,4-D. Even if the plant is not killed, the application of 2,4-D to the budding plant prevents the opening of flowers and the spreading of pollen. The results with poison ivy are still not conclusive.

The following general information is extracted from a Bureau of Plant Industry release dated July, 1945.

WHAT WEEDS WILL 2,4-D KILL?

A solution of 2,4-D containing as little as 1⅓ ounces of the chemical in 10 gallons of water (1/10 of 1 percent by weight) when used as a spray is deadly to many species of broad-leaved plants. Some species upon which this substance has been effective are—

Dandelion	Daisy	Pigweed
Narrow-leaf plantain	Heal-all	Three-seeded mercury
Lawn pennywort	Chickweed	Burdock
Broad-leaf plantain	Winter cress	Wild Mustard
Japanese honeysuckle	Pokeweed	Frenchweed
False strawberry	Curled dock	Wild lettuce
Annual morning-glory	Ragweed	Annual sow thistle

WHAT WILL 2,4-D DO TO GRASSES?

So far 2,4-D has not been found effective on crabgrass, quackgrass, Johnson grass, nutgrass, or other weedy grasses and sedges. It does affect bent grass and anyone with a bent grass lawn should be cautious about this new treatment. A good point about the 2,4-D spray is that it does not hurt Kentucky bluegrass, annual bluegrass, redtop, fescue, and buffalo grass. It *will* kill or seriously retard the growth of White Dutch clover.

WHEN IS 2,4-D USED?

Usually the best time to use 2,4-D sprays on lawns or other turf is in late spring or early fall, when the weather favors the growth of grass, rather than in extremely cold or hot, dry periods. The best time to use 2,4-D on farm weeds has not yet been determined. Lawns effectively treated with the 2,4-D carrier mixture will be free of dandelions and plantains for 2 to 3 months. Later it may be necessary to re-treat the area to kill seedling plants that have grown since the first spraying.

TEST SAMPLES AND GENERAL BULLETIN AVAILABLE

For those companies who plan to formulate 2,4-D or the sodium salt of 2,4-D, Baker will gladly supply test samples. The advice and counsel of our organic chemical research staff is also available. Please address your communications to the Organic Chemistry Division, J. T. Baker Chemical Co., *Executive Office,* Phillipsburg, N. J.

Baker's Chemicals
C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations Chemicals and Related Materials

February 21, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., divd.lb. .07 - .08
l.c.l., divd.....lb. .07½- .08½
tanks, divd.....lb. .06 - .07

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.98 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .59

standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.25 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.80 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder).
gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .20 - —
l.c.l., same basis.....lb. .30 - —
Broener's bbls.....lb. 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -15.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .23½- .26½
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, divd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (209°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-245°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, divd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, cns., dms., works..lb. No stocks
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., divd.E..lb. .45 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return. Phila...lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15½
80%, bbls., cbys., 5 or less. lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Acid, lauric, dist., 95%, dms.lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic,[1] kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..160 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.23 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10½- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 6.50 - 6.80
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra. lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13¼- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[2] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.05 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.25 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., divd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works. lb. .11¼- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[3] double pressed, bgs., c.l., divd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .16¾- —
single pressed, bgs., c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., divd., lb. .15¾- —
triple pressed, bgs., c.l., divd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., divd., lb. .19¼- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —

Acid, sulphuric, CP, USP, consumers cbys. extra..lb. .06 - —
9-lb. bots., cs. extra...lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs... lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.55
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.35 - 1.40
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works. lb. .32 - .33
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.99 - 2.07
granular, cryst., bbls....lb. 1.94 - 2.02
tech., cryst., bbls.....lb. 1.20 - 1.25
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .85 - —
Butyl, normal,[1] ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .1980- —
l.c.l., frt. alld. E....lb. .2080- —
tanks, frt. alld. E....lb. .1880- —
tankwagons, frt. alld.lb. .1930- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E. ....lb. .10¾- —

Normal butyl alcohol prices in West, ¼c. per lb. higher.

secondary, dms., c.l., divd.lb. .095 - —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .08½- —
tertiary, denat., dms., c.l...lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .659
tanks, E. divd.....gal. .543 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .652
tanks, E. works.....gal. .542 - —

Anhydrous 5c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .63½- .65½
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works..gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66¼
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .66½- .68½
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½
Ethyl, 190 pf., dms., c.l., wks. gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.07½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .35 - —
tanks, works.....lb. .30 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .38 - —
l.c.l., dlvd.....gal. .41 - —
tanks, dlvd.....gal. .31½- —
99%, dms., incl., c.l., dlvd.. gal. .41½- —
l.c.l., dlvd.....gal. .44½- —
tanks, dlvd.....gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl)
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - 2.25
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .65
Propyl, normal, dms., works, gal. .67 - —
smaller containers, works, gal. .82 - —
anks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .35 - —
dms., c.l., Waverly, N. Y...lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.75 - 3.00
Algarobilla,[1] c.l., ex dock.... long ton.57.50 - —
Algarobilla price based on ocean frt. at $13 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice,[1] Mexican, bgs.....lb. .17 - .17½
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd....lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacoa, kgs.....lb. .42 - .49
Socotrine, kgs.....lb. .42 - .41
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.60
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .52 - —
Alphapicoline, ref. dms., works, frt. equald..lb. .23½- .26½
Alphapinene, dms., c.l., wks..gal. .89½- —
l.c.l., works.....gal. .91½- —
tanks, works.....gal. .86½- —
Alphaterpineol, dms., c.l., works. lb. .1240- —
l.c.l., works.....lb. .1260- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.05 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.35 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. 12½- .15
Soda, bbls., c.l., works..100 lbs. 4.25 - —
l.c.l., dlvd.....100 lbs. 4.35 - 5.00
Alumina, classified, grade, ground, kgs., works..lb. .35 - .37
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .48
Acetate, basic solution, 24%, bbls., dlvd..lb. 10½- .11
20%, bbls., dlvd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works.....lb. 06½- .09½
solution, 32 deg., cryst., c.l., works..lb. .02½- —
l.c.l., works.....lb. 03½- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb.[2] .024 - .031
l.c.l., works.....lb. .035 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 16% Al (OH)$_3$, dms., 10,000 lbs. or or more, f.o.b. ship't point, lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis, lb. .03½- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17½- —
contract, works.....lb. .16½- —
14-15% Al_2O_3, fib. dms., wks..lb. .20½- —
contract, works.....lb. .19½- —
dried, USP XII, fib dms., works..lb. .73 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate)
USP IX, bbls., dms.....lb. .16 - .17
Laurate, precip., bbls.....lb. .28 - .29
Naphthenate, 1 7% Al, 50-gal. dms., works..lb. .16½- —
Oleate, dms., contract.....lb. .24½- —
Ricinate, precip., dms.....lb. .18½- —
Stearate, precip., ctn., c.l....lb. .23 - —
l.c.l.....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt equald...100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.25 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
Alumina sulphate, com'l, iron-free, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l.....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .54 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .53 - —
Powder, lining, extra fine, 100-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms..lb. .50 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms...lb. .56 - —
varnish, stand., 300-lb. dms.. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 19,999 lbs., and 4c. for 20,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .80 - .86
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia, anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l.....lb. .02¾- —
l.c.l.....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0664- —
Bichromate, bbls.....lb. .23 - .28
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs...lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .29 - —
dms.....lb. .29 - —
Carbonate, USP, lump, dms..lb. 06½- .09½
cns.....lb. .14½- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .18
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .95
Fluoride,[9] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[3] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs....lb. .94 - .97
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 37.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.25 - 4.60
bbls., works.....100 lbs. 4.75 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va...ton.32.00 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran, bbls.....lb. .22 - —
dms.....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .26½- .29½
Phosphate, dibasic, NF V, bbls., kgs...lb. .27 - .29
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- .08½
Salicylate, NF, dms., kgs....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .24 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., works....lb. .16 - .21
Sulphate,[1] bulk, inland producing ovens...ton.28.20 - —
Atlantic coast ports....ton.29.20 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48% sbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. 17½- —
tanks, dlvd.....lb. 16 - —
ex-pentane, dms, c.l., frt. alld. E. of Miss. R..lb. 15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .99 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .085 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .065 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .83 - .85
Stearate, dms., works.....lb. .42 - —
Anethol, com'l, dms., works..lb. .637 - .682
NF dms.....lb. 2.50 - 3.00
Angelica dom. atropurpurea root, bls..lb. 1.00 - 1.25
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Anise, Chinese, star carcote to N. Y., bgs..lb. .40 - .41
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .33 - .34
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.00 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .13¾- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16½- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .16 - —
l.c.l.....lb. .15½- —
paint grade, bgs., c.l.....lb. 16%- —
l.c.l.....lb. 16½- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. 17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity).65.00 - 67.00
Arnica flowers, bls.....lb. 2.25 - 2.30
Arrowroot, powd., bgs., bbls..lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04¾- —
Asafetida, cs.....lb. .58 - .60
powd., bbls., dms.....lb. .76 - .80
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana, mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.33.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l.....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.58.50 - —
l.c.l.....ton.88.00 - —
Egyptian .....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .06½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.35 - —

B

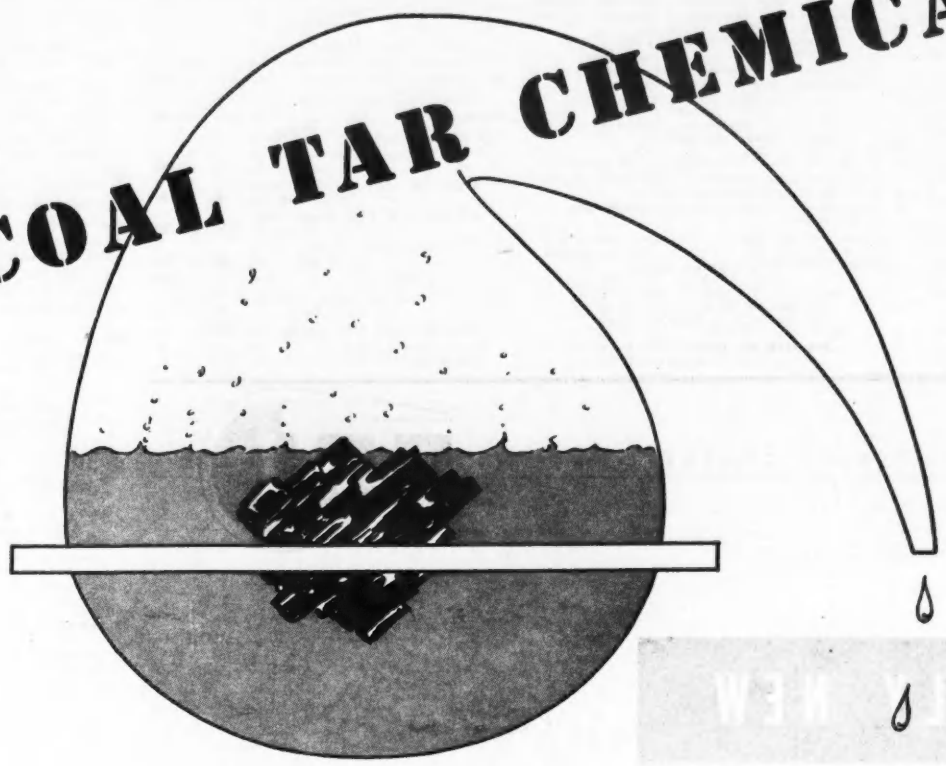
Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....ton. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .18
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .16 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.26.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
93.75% bgs., mines.....ton.18.00 - —
Ore, approx. 86% $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.35 - 1.40
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., obvs., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine cns .....lb. 3.20 - 3.35
Benzol (benzene) pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E of Omaha, frt. alld .gal. .15 - —
W. Coast, Minnesota, Colo..gal. .16 - —
Benzophenone, dms.....lb. 1.15 - 1.30
Benzoyl chloride, cbys.....lb. .20½- .30
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms. .....lb. .56 - —
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns.....lb. 2.70 - 2.75
Propionate, bots.....lb. 1.85 - 2.45
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .36
Betanaphthol, resublimed, dms., works..lb. .53 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ref. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.00 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 5.00 - —
jars .....lb. 2.95 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.25 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.40 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 2.25 - —
bots .....lb. 1.20 - 1.23
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb cans.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms...lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs, bbls., c.l., same basis. lb. .12 - —
3, bgs, bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .06½- —
400A, bgs., bbls., c.l., same basis..lb. .06½- —
457, bgs., bbls., c.l., same basis..lb. 11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .062 - —
uncompressed, regular, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works....lb. .05½- —
ctns., l.c.l., whse.....lb. .08 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. 06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06½- —
Lamp, 1, ctns., c.l., works...lb. .06½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04½- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05½- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .84 - .85
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls..lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.44.50 - —
Bleaching powder,[1] dms., c.l., works..100 lbs. 2.80 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.80
Blood,[1,9] dried, 16-16½% ammon., bgs., unit-ton. 5.50 - —
high-grade, unground, 14-17% ammon., bulk, Chicago, unit-ton 5.50 - —
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .65 - .70
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn and N. C., E. of Miss. River including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .95 - .99

OPD—2-25-1946

COAL TAR CHEMICALS



Phenol

Cresol

Cresylic Acid

Naphthalene

Pyridine

Tar Acid Oil

Neutral Oil

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE "WILNEUBERG"

Blue, celestial, bbls., same basis. lb. .10 - .12
Chinese, bbls., same basis..lb. .36 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis. lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .28 - .27
jobbing type, dry, bbls., same basis..lb .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 -
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 -

Blue, violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, bgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .70 - .75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[1] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis..ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. No stocks
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —

Borax, tech., 99½%, powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. allo.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. allo. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 5.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .14 - .16
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .03½ —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —

Brown, sienna, burnt., American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .025- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .08½- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .06½- —
ex whse, Los Angeles. lb. .05½- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .58 - .60
Buchu leaves, bls.....lb. .83 - .85
Buckthorn bark, bls.....lb. .47 - .50
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .35 - .37
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butyl acetate, normal,[1] fermenent, Ill., Ind., prod., dms., c.l., frt. allo. E. of Miss. R. lb. .1895- —
l.c.l., same basis.....lb. .1945- —
tanks, same basis.....lb. .1795- —
tankwagon, same basis.lb. .1850- —
other production dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks same basis.. .lb .1800- —
synthetic, dms., c.l., same basis..lb. .11¼- —
l.c.l., same basis.....lb. .12¾- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .33 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25¼
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.05
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.97
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.25 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] ingots or sticks, dlvd. lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.20 - 5.37
Calabar beans, bgs., futures, lb. .60 - .65
Calamus root, natural, dom., bls. lb. .70 - .75
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. allo..lb. .07¼- .08
l.c.l., same basis.....lb. .08 - .08¾
Bromide, N.F., jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.23.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -34.50
l.c.l., dlvd.....ton.23.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .60
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.65 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls .....lb. .25 - .27
Laurate, bbls.....lb. .28 - .29
Mandelate, USP dense, fluffy, dms..lb. 2.05 - 2.20
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 c over, works..lb. .07 - .07¾
less than 10, works .....lb. .08 - .10
medicinal, dibasic, bgs ..... 100 lbs.11.40 -12.00

WORLD'S LARGEST PRODUCER OF SYNTHETIC RESINS

RCI

GENUINELY NEW

In Composition and Results

COSTS LESS!
COOKS FASTER!
YIELDS HIGHER VISCOSITY!
DRIES QUICKER!

NO. 2100 SUPER-BECKACITE

Not merely an improved product but an entirely new resin—that's No. 2100 Super-Beckacite, a truly high-light achievement in the development of surface coating resins. It's better in nearly every way than any previous resin—better in film and performance properties . . . better in physical characteristics . . . better for economy! From now on this pure phenolic is the No. 1 choice for high grade enamels and spar varnishes. Write to the Sales Department for further data on the most important advancement in a pure phenolic resin since RCI products first changed the industry.

REICHHOLD CHEMICALS, INC.

General Offices and Main Plant, Detroit 20, Michigan

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SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Calcium phosphate, cryst., bgs., c.l., works, frt. equald. lb.	.05¾-	—
l.c.l., frt. equald. lb.	.06 -	.06½
tribasic, bbls., c.l., works. lb.	.0625-	—
bgs., l.c.l., works. lb.	.0645-	.0650
Resinate, precip., 2.2% Ca, 100-lb. dms. lb.	.15½-	—
Silicate, hydrated, c.l., bgs., works. lb.	.06¼-	—
l.c.l., works. lb.	.06 -	—
Stearate, precip., ctns., c.l. works. lb.	.25 -	—
l.c.l., works. lb.	.26 -	.28
Sulphate (see Gypsum).		
Sulphide, 70%, bgs., c.l., works. ton.	45.00 -	—
80%, bgs., c.l., works. ton.	50.00 -	—
luminous, tins, works. lb.	1.00 -	—
Sulphocarbolate, bbls. lb.	.49 -	.50
Tallate, 3%-4% Ca, 50-gal. dms. lb.	.18¾-	.19½
Calcium-strontium sulphide, phosphorescent, dms., works. lb.	1.00 -	1.50
fine particle size, works. lb.	1.50 -	1.75
Calendula flowers, bls. lb.	2.60 -	2.65
Calomel, bbls., dms. lb.	2.44 -	2.45
Camphor, natural. lb.	No stocks	
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb.	.42 -	—
10 bbls. (1,500 lbs.). lb.	.44½ -	—
5 to 9 bbls. lb.	.45 -	—
1 to 4 bbls. lb.	.46 -	—
smaller lots. lb.	.48 -	.50
USP, gran., powd., bbls., 2,000-lb. lots. lb.	.69 -	—
1,000-lb. lots. lb.	.70 -	—
smaller lots. lb.	.71 -	—
tablets, 2,000-lb. lots. lb.	.82 -	—
1,000-lb. lots. lb.	.83 -	—
smaller lots. lb.	.84 -	—
Camphor, monobromated, dms. lb.	2.20 -	—
Canada balsam (see Fir balsam).		
Cantharides. lb.	No stocks	
Capsicum (see Pepper, red).		
Capsicum oleoresin, USP VII, cns. lb.	4.50 -	4.65
Caramel coloring, bbls. gal.	.70 -	1.10
Caraway seed,[1] California, Dutch type. lb.	No stocks	
Canadian, bgs. lb.	.52 -	.53
Danish, bgs., futures. lb.	.52 -	.53
Dutch, bgs., futures. lb.	.55 -	.56
Morocco, dewhiskered, futures, bgs. lb.	.50 -	.51
natural, bgs., futures. lb.	.42 -	.43
Spanish, dewhiskered, bgs. lb.	No stocks	
Syrian, dewhiskered, bgs. lb.	No stocks	
Carbazole, 95%, dms., ton lots, works. lb.	.70 -	—
smaller lots, works. lb.	.80 -	—
95%, dms., ton lots, works. lb.	.75 -	—
smaller lots, works. lb.	.85 -	—
Carbinol, butyl, norm. dms., l.c.l., works. lb.	.27 -	—
secondary, dms., l.c.l., works. lb.	.60 -	—
Isobutyl, dms., c.l., works. lb.	.23¾-	—
l.c.l., works. lb.	.23½-	—
tanks, works. lb.	.21¼-	—
Methylisobutyl, dms., c.l., nearest delivery point buyer's works. lb.	.11¾-	—
l.c.l., same basis. lb.	.12¼-	—
tanks, same basis. lb.	.10¾-	—
Bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R. lb.	.05 -	—
l.c.l., same basis. lb.	.05¾-	—
5-gal. dms., c.l., same basis. lb.	.07 -	.07½
l.c.l., same basis. lb.	.08 -	.08½
Dioxide, cyls. lb.	.08 -	.08
Tetrachloride,[1] c.p., dms., c.l. lb.	.07½-	—
l.c.l. lb.	.08 -	—
tech., Zone 1, 52½-gal. dms., c.l., frt. alld. gal.	.73 -	—
l.c.l., frt. alld. gal.	.80 -	—
5 or 10-gal. dms., c.l., frt. alld. gal.	.97 -	—
l.c.l., frt. alld. gal.	1.07 -	—
Zone 2, 52½-gal. dms., c.l., frt. alld. gal.	.80 -	—
l.c.l., frt. alld. gal.	.87 -	—
5 or 10 gal. dms., c.l., frt. alld. gal.	1.04 -	—
l.c.l., frt. alld. gal.	1.14 -	—
Zone 3, 52½-gal. dms., c.l., frt. alld. gal.	.94 -	—
l.c.l., frt. alld. gal.	1.00 -	—
5 or 10-gal. dms., c.l., frt. alld. gal.	1.17 -	—
l.c.l., frt. alld. gal.	1.27 -	—
Zone 4, 52½-gal. dms., c.l. gal.	.88 -	—
5 or 10-gal. dms., c.l. gal.	1.07 -	—
l.c.l. gal.	1.17 -	—
USP, cbys. lb.	.17 -	.19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans. 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs. lb.	1.35 -	1.40
medium, cs. lb.	1.30 -	1.35
decorticated, Guatemala, cs. lb.	1.10 -	1.12
India, cs. lb.	1.15 -	1.20
green, Alleppey, bgs. lb.	.90 -	.92
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units.	.50 -	—
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd. gram.	2.85 -	—
50 grams, dlvd. gram.	2.90 -	—
in vegetable oil, 250,000 USP units per gm., bots., works. lb.	37.80 -	—
50,000 USP units per gm., bots., works. lb.	8.43 -	—
dms., works. lb.	7.68 -	—
8,800 A units per gm., tins, works, 1,000,000 units.	.55 -	—
dms., works, 1,000,000 units.	.50 -	—
3,300 USP units per gm., dms., works. lb.	.66 -	.71
Carvol, bots. lb.	16.00	-20.00
Cascara sagrada bark, bulk. lb.	.43 -	.45
Case-hardening mixture, 20% gran., dms., l.c.l. lb.	.09¾-	—
slabs, dms., l.c.l. lb.	.08¾-	—
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point. lb.	.24 -	—
20 to 99, same basis. lb.	.24¼-	—
less than 20, same basis. lb.	.24¾-	—
rennet-precip., bgs., 100 or more, same basis. lb.	.25¼-	—
20 to 99, same basis. lb.	.25¾-	—
less than 20. lb.	.26¼-	—
imp., acid-precip., ground, bgs., 100 bgs. or more. lb.	.24 -	—
rennet-precip., unground, bgs., 100 bgs. or more. lb.	.26½-	.28½

Cassia,[1,7] China, buds, bgs., futures. lb.	.46 -	.47
rolls, selected, cs., futures, lb.	.46 -	.47
extra select, broken, bls., futures. lb.	.42 -	.45
Cassia fistula, bskts. lb.	.28 -	.30
Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S. long ton.	118.00 -	—
Oil (see Oil, castor).		
Pomace,[1] bgs., c.l., works, unit-ton.	3.15 -	4.75
Castoreum, nat., cns. lb.	12.00	-18.00
synth., bots. lb.	10.00 -	—
Catechol, CP, cryst., works, fib. dms., frt. alld. lb.	1.90 -	—
resublimed, works, frt. alld., dms. lb.	3.25 -	—
Catnep, bls. lb.	.50 -	.52
Celery seed,[1] French, bgs. lb.	1.00	Nom.
Indian, bgs. lb.	.22 -	.23
Celluloid scrap (see Pyroxylin scrap)		
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb.	.30 -	—
granules, ctns., same basis. lb.	.32 -	—
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld. lb.	.43 -	—
1,000-4,900 lbs., frt. alld. lb.	.46 -	—
100-900 lbs., frt. alld. lb.	.47 -	—
smaller pkgs. works. lb.	.48 -	—
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld. lb.	.43 -	—
1,000-4,900 lbs., frt. alld. lb.	.44 -	—
100-900 lbs., frt. alld. lb.	.45 -	—
smaller pkgs., works. lb.	.46 -	—
Granules are 5c. per lb. higher, all quantities.		

Cellulose acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld. lb.	.45 -	—
1,000-4,900 lbs., frt. alld. lb.	.46 -	—
100-900 lbs., frt. alld. lb.	.47 -	—
smaller pkgs., works. lb.	.48 -	—
Granules are 5c. per lb. higher, all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb.	.30 -	—
Cerium hydrate, dms., works. lb.	.60 -	—
Oxalate, USP, bbls., works. lb.	.55 -	—
kgs., works. lb.	.57 -	—
Oxide, optical grade, kgs., 100-lb. lots, works. lb.	1.50 -	—
bgs., smaller lots, works. lb.	2.00 -	—
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works. lb.	.02½-	—
paint and other industries, bgs., c.l., works. ton.	40.00 -	—
papermakers, bgs., c.l., works. ton.	33.00 -	—
rubbermakers, bgs., c.l., works. ton.	30.00 -	—
Chamomile, Hungarian type, cs. lb.	.52 -	.55
Roman, bls., futures. lb.	1.75 -	1.80
Charcoal, hardwood, lump, bulk, c.l., works. ton.	31.25 -	—
bur. bgs., ret., c.l., works. ton.	31.00	-33.75
briquets, bulk, c.l., works. ton.	35.00 -	—
bgs., c.l., works. ton.	40.00	-41.00
granular, all grades, bgs., incl., works. ton.	44.00 -	—
screenings, bur. bgs., ret., c.l., works. ton.	23.65 -	—
Pinewood,[1] lump, bgs., c.l., Southern shipping points. ton.	20.00 -	—

Charcoal, pinewood, granular, powd., bgs., c.l., works, South. ton.	39.20 -	—
Willow, powd., bbls. lb.	.06 -	.07
l.c.l., works. ton.	41.00 -	—
Chestnut extract,[1,8] standard 25% tannin, bbls., c.l., works. 100 lbs.	3.23 -	3.55
l.c.l., works. 100 lbs.	3.47 -	3.80
tanks, works. 100 lbs.	2.62 -	2.96
powdered, 65% tannin, bags extra, c.l., works. 100 lbs.	7.46 -	8.33
l.c.l., works. 100 lbs.	8.21 -	9.07
Chilies (see Pepper, red).		
China clay,[1] dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works. ton.	9.50 -	—
l.c.l., works. ton.	16.00 -	—
bulk, c.l., works. ton.	7.50 -	—
200 mesh, bgs., c.l., works. ton.	8.50 -	—
l.c.l., works. ton.	9.50	-15.00
wet-grd., silk-bolt, 89½%, 325 mesh, bulk, c.l., works, ton.	9.50 -	—
paper bgs., c.l., works. ton.	12.50 -	—
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila. ton.	19.00	-24.00
powd., cks.,l.c.l., ex whse. ton.	41.00 -	
Chloral hydrate, jars. lb.	.92 -	.98
dms. lb.	.90 -	.95
Chlorinated rubber,[9] standard, ctns., 100 lbs. up, works. lb.	.32 -	—
smaller lots, works. lb.	.35 -	—
1-lb. bots., ex whse. lb.	1.25 -	—
Chlorine, liquid, cyls., c.l. lb.	.05½-	—
contracts lb.	.05¼-	—
l.c.l. lb.	.07½-	—
Chlorine, tanks, single units, works, frt. equald. 100 lbs.	1.75 -	—
multiple units, 2 or over, works, frt. equald. 100 lbs.	2.00 -	—
2, wks., frt. equald. 100 lbs.	2.50 -	—
1 wks., frt. equald. 100 lbs.	3.00 -	—
Chloroform, tech., dms. lb.	.20 -	.22
USP, dms. lb.	.30 -	.33

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HEAVY CALCINED MAGNESIA White
MAGNESIUM METAL POWDER High Purity
CAUSTIC POTASH
88% - 92% SOAP POWDER & SOAP FLAKES
COPPER SULPHATE
DICALCIUM PHOSPHATE Pure Food Grade
BLEACHING POWDER 35% - 37%
DDT
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ALUMINUM ACETATE
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Chloropicrin, com'l, 200-lb. cyl.
100-lb. cyls., same basis...lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 2.00 - 2.10
Dihydrogen citrate, 2b. dms.lb. 2.00 - 2.10
Chrome acetate, powd., 22% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .32
solut., 8% bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., wks.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Ore[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.06
Cinchona bark,[6] red, quill, USP, 10 in., cas..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No price
Sulphate, NF, cns., 100 ozs..oz. No price
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No price
large, cryst., cns., 100 ozs..oz. No price
Sulphate, NF, cns., 100 ozs..oz. No price
Cinchophen, NF, heavy, dms..lb. 3.70 - 3.90
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - .95
Cinnamon,[1,7] Ceylon, O, bis., fu-tures..lb. .8302- —
OO, bis., futures.....lb. .5320- —
OOO, bis., futures.....lb. .5407- —
OOOO, bis., futures.....lb. .5494- —
No. 1, bis., futures.....lb. .5145- —
2, bis., futures.....lb. .5058- —
3, bis., futures.....lb. .4958- —
4, bis., futures.....lb. .4858- —
Citral, bots., cns.....lb. 4.50 - 4.60
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove,[1] Madagascar, bis.....lb. .16¾- .17¼
futures, bis.....lb. .16 - .16½
Zanzibar, bis.....lb. .17⅛- .17⅝
futures, bis.....lb. .17¼- .17⅞
Clover tops, red, dom., bgs....lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- .08½
refd., 50-gal., bbls., c.l. wks. bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, 55 gal., dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., 55-gal. dms., c.l., wks. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .53⅝- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.58 - —
feed grade, 23% Co, kgs....lb. 1.35 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 5%, dms..lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.54 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 6%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.60 - —
Cobalt salts feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt.lb. .25 - —
Cocillana bark, bgs.....lb. No prices
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .19
blue, bls.....lb. .22 - .23
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns.....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
cns.....lb. .25 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .17 - .18
Coltsfoot leaves, bgs.....lb. No stocks
Condurango bark, bgs.....lb. .12 - .13
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .96 - 1.00
Copper acetate, cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .54 - .55
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .12 - .13¼
Naphthenate, 6%-9% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls..lb. .19¼- .20¼
Oleate, precip., bbls.....lb. .23½- .25½
Copper oxide, black, bbls., works. lb. .10 - .20
red, com'l, bbls., works..lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .13½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.60 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.15 - 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs.10.20 - —
smaller lots, dlvd...100 lbs.10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .08½- .09
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .09 - .09½
Peru, bgs.....lb. .09¼- .09¾
So. American, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .45 - .48
Cyclohexanol, 98 - 100%, dms., works..lb. .21 - .23
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.625 - —
Syrup, 42°, bbls., c.l., dlvd. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .22 - .25
Cottonseed hull ash, 33-36% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51½- —
smaller lots, bbls., kgs., lb. .52 - .53¼
imported, bls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[1] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .3625
l.c.l., same basis....gal. .26 - .35
tanks, same basis....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, N.F., bots., cbys. lb. .60 - .77
Pine, dms.....gal. .81 - .92
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08½- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .22 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .30
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .34½- .35
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .35½- .36
Syrian, bgs.....lb. .40 - .41
Cutch, bgs.....lb. No stocks
Cyanamide,[3] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .45 - .46
Dandelion root, bls.....lb. .70 - .75
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works.lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .34 - .36
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .28½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.. Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.85
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., divd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .3070- .3106
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat. bgs., c.l., Pacific coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 - 90.00

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J&L STEEL

Diatomaceous earth, imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. ..lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2270- .2900
1-gal., cns., works.....gal. .2470- .3100
dms., c.l., works.....lb. .1720- .2350
l.c.l., works.....lb. .1770- .2400
tanks, works.....lb. .1620- .2250
Sebacate, dms., c.l., works..lb. .4800- .5075
l.c.l., works.....lb. .4850- .5125
tanks, works.....lb. .4600- .4975
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purifed, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .23½- —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .80 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .21½- —
l.c.l., dlvd.....lb. .22 - —
tanks, dlvd.....lb. .20½- —
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld.in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, natural cleaned, bgs., lb. No stocks
decorticated, bgs.....lb. .13 - .13½
dewhiskered, bgs.....lb. .09¾- .10½
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniln, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .36
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
steam-dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock..ton.69.00 - —
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns...lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drums and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns.....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 23, cns.....lb.12.35 - —
No. 27, cns.....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1 cns...lb.10.35 - —
No. 3, cns.....lb.21.35 - —
No. 8, cns.....lb. 7.35 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
288 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.20
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .43 - .60
408 Direct blue 2B.....lb. .66 - .70
410 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
496 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50

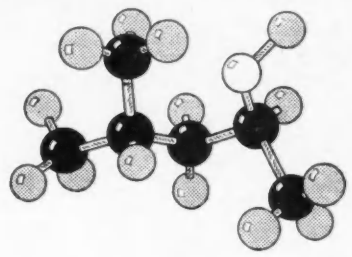
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .30
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .50 - .55
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .50 - .55
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives....lb. .36 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
256 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1069 Anthraquinone, violet base..lb. 4.00 - —

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .52
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .06 - —
632 Bismarck brown R...lb. .47 - .52
748 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .52 - —
924 Methylene green B....lb. 1.35 - —
1078 Alizarin cyanin green..lb. 2.00 - —

Shell Chemical Announces commercial production of a hexyl alcohol



METHYL ISOBUTYL CARBINOL

(Methyl Amyl Alcohol)

MIBC IS USEFUL AS:

Medium-Boiling Latent Solvent in nitrocellulose lacquers — contributes good blush resistance, gloss, flow, and leveling in cold spray, brushing, and hot spray lacquers. Allows use of larger quantities of low-boiling alcohols in lacquer or lacquer thinner formulas, while retaining good blush resistance.

Medium-Boiling Nitrocellulose Lacquer Solvent (in combination with methyl isobutyl ketone)—gives high toluene dilution ratio . . . excellent blush resistance . . . low viscosity especially valuable in high solids lacquer formulations.

Resin Solvent for phenolic type baking finishes—low water solubility of MIBC lessens dehydration of gelatin rolls used in roller coating application.

Alcohol Portion of a Solvent for synthetic alkyd and urea-formaldehyde baking finishes—small portions in conjunction with aromatic petroleum diluents yield solutions of low viscosity. Low evaporation rate of MIBC tends to eliminate bubbling during baking of finishes.

Frother (with other materials) in flotation recovery of certain copper ores.

Methyl Isobutyl Carbinol is available in compartment or straight tank car shipments

For more detailed information on the applications, properties, and specifications, write for Technical Bulletin #SCC: 46-1

SHELL CHEMICAL CORPORATION

100 BUSH STREET, SAN FRANCISCO 6
500 FIFTH AVENUE, NEW YORK 18

Los Angeles · Houston · Chicago

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .54 - —

Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 -

Yellow—
10 Naphthol yellow S...lb. .36 - —
138 Metanil yellow.....lb. .56 - .58
826 Fast light yellow....lb. 1.25 - —
839 Xylene light yellow..lb. 1.15 - —
840 Tartrasin .....lb. .80 - —
855 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
864 Nigrosin .....lb. .36 - .44

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Blue—
869 Indulin .....lb. .60 - .70

Brown—
331 Bismarck brown.....lb. 1.50 - —

Green—
637 Malachite green base.lb. 2.00 - —

Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —

Yellow—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —

Violet—
680 Methyl violet base...lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .75 - .80
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls....lb. 1.04 - 1.10
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .85
Elcampane root, bls.....lb. .55 - .60
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots...oz. No prices
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
Synthetic, USP, anhydrous, bots..100 ozs. .65 - —
hydrous, bots, 100 oz...oz. .65 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots. gram. .75 - —
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

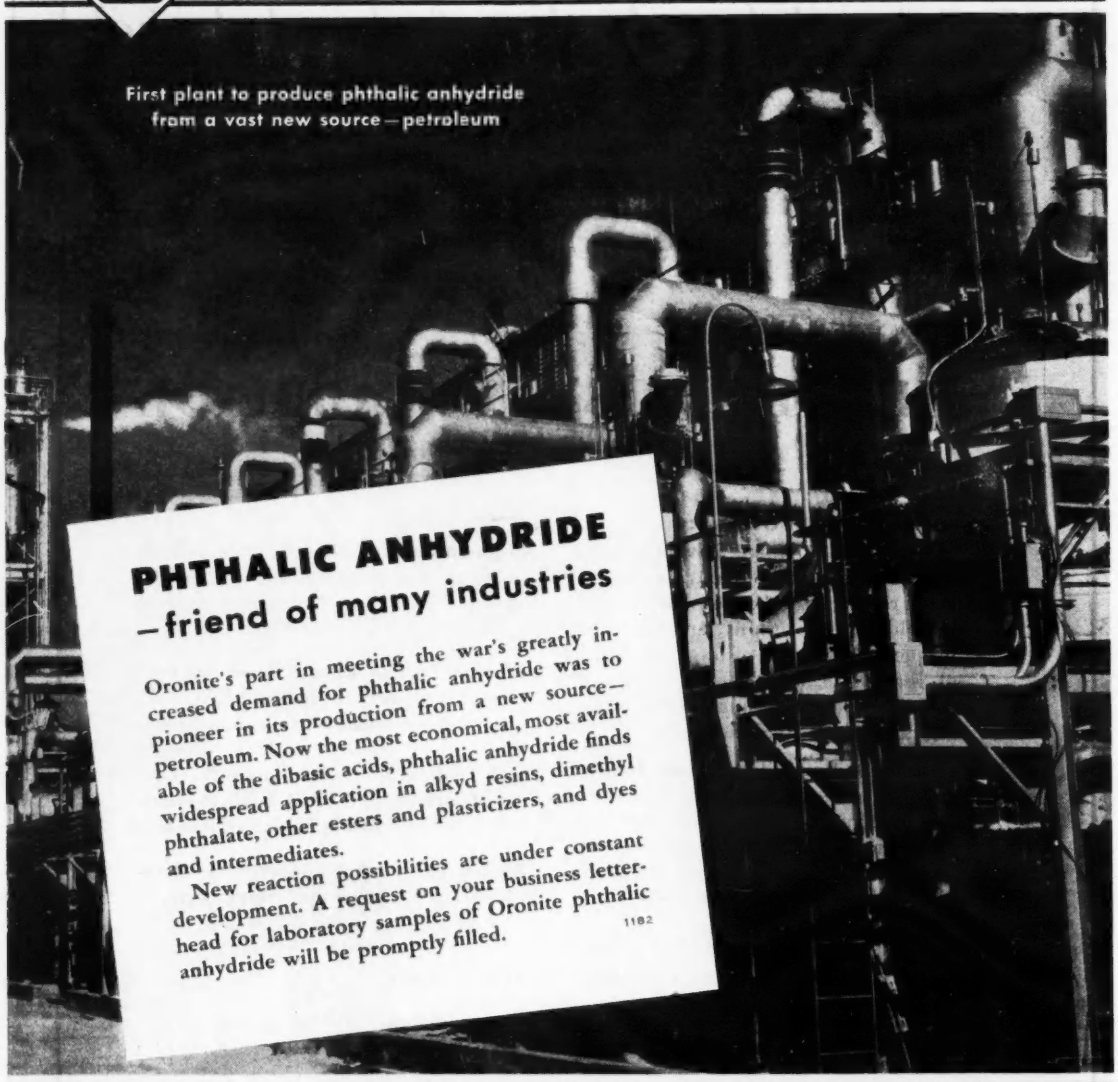
Ergot, USP, cns.....cs. 1.60 - 1.65
Eserine, bots.....oz. No prices
Sulphate, 1-gram, vials....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Ether, nitrous, conc., bots., 100 lbs..lb. .96 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .80 - .81
Synthetic, dms., c.l., wks...lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .1050- .1200
l.c.l., frt. alld.....lb. .1100- .1250
tanks, frt. alld.....lb. .0950- .1100
95-98%, dms., c.l., frt. alld.lb. .1075- .1275
l.c.l., frt. alld.....lb. .1125- .1225
tanks, frt. alld.....lb. .0975- .1175
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., frt. alld.....lb. .28 - —
Benzoate, bots.....lb. .50 - .52
Bromide, tech., dms.....lb. .60 - .65
Carbamate, dms., dlvd. E...lb. .58 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 3.50 - 3.90
Formate, dms., Agnue, Calif., lb. .26 - .32
Iodide, bots.....lb. 8.50 - 8.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works...lb. .47 - —
Oxalate, dms., frt. alld.....lb. .23 - —
Silicate, dms., l.c.l., works..lb. .77 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0342- —
West of Rockies..lb. .0391- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0748- —
West of Rockies..lb. .0792- —
Trichloride (see Trichlorocthane).
Ethyleneglycol, dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. 'b. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, d m s., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 2.55
Eucalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .16 - .17

F

Feldspar,[1] enamel, 100 mesh, ton.17.00 -20.50
bulk, c.l.....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs...lb. .27 - .27½
Indian, bgs.....lb. .16½ Nom.
Fenugreek, domestic, bgs.....lb. No stocks
Indian, bgs.....lb. .10 - .10½
Morocco, bgs.....lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13¼- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns....gal.18.50 -20.00
Oregon, bbls.....gal. 2.50 - 2.60
Fishberries, bgs.....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, bgs., E. works, ton.78.00 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.66.00 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, dom., French-type, bgs. lb. .62 - .64
French, black, bgs.....lb. No stocks
Indian, blonde, bgs.....lb. .18½- .22
Fluorspar,[1] No. 1, ground, 95-96% CaF_2 bulk, c.l., mines, net ton.37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines..ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C....lb. .0345- —
Fringetree bark, bls.....lb. .55 - .56
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines.. ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp. bgs. c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., l.cl..lb. .35 - —
No. 1A, bbls., l.cl.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20¾- —

ORONITE
REG. U.S. CHEMICALS PAT. OFF.

THE NAME TO WATCH IN CHEMICALS

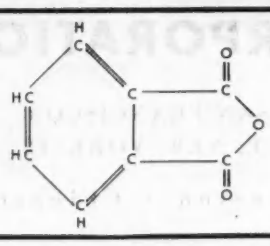


PHTHALIC ANHYDRIDE
—friend of many industries

Oronite's part in meeting the war's greatly increased demand for phthalic anhydride was to pioneer in its production from a new source—petroleum. Now the most economical, most available of the dibasic acids, phthalic anhydride finds widespread application in alkyd resins, dimethyl phthalate, other esters and plasticizers, and dyes and intermediates.

New reaction possibilities are under constant development. A request on your business letterhead for laboratory samples of Oronite phthalic anhydride will be promptly filled.

1182



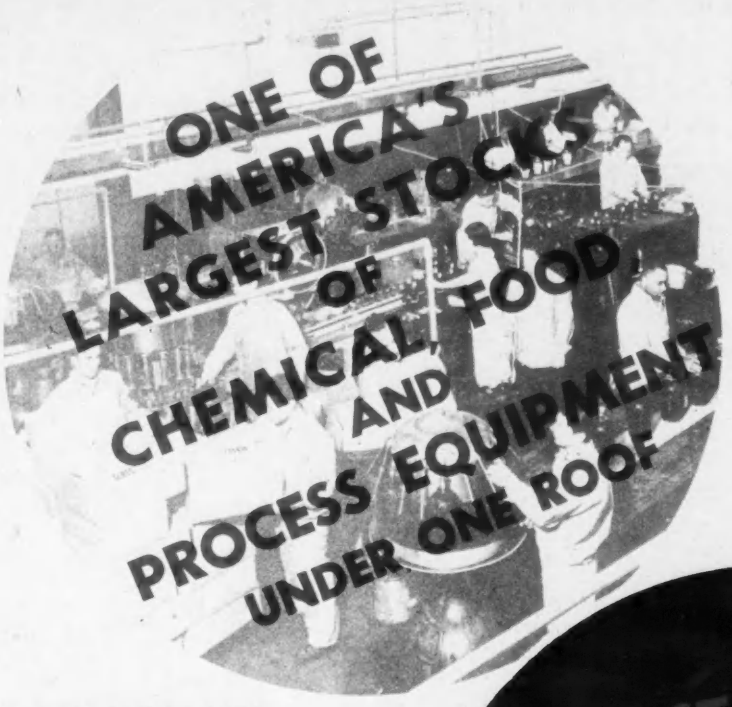
TYPICAL TESTS:

Phthalic Anhydride, Per Cent	99.7
Freezing Point, Deg. Cent. Min.	130.5
Color, Hazen	80
Appearance	Pure white free-flowing flakes

ORONITE CHEMICAL COMPANY

Russ Building, San Francisco 4, California
White-Henry-Stewart Bldg., Seattle 1, Wash.
30 Rockefeller Plaza, New York 20, N. Y.
Standard Oil Bldg., Los Angeles 15, Calif.

Absolute PUBLIC AUCTION SALE



ON THE PREMISES OF
FIRST MACHINERY CORP.
(Forced to Move)
819-837 East 9th Street
New York City
DIRECTIONS FOR REACHING PLANT: 12 minutes by cab from the Chemical Show at Mid-Manhattan. All Subways, Bus lines or 3rd Avenue El to the 9th St. Crosstown Line going East. Bus No. 13, last stop, walk one block to East River Drive and 9th St.

A TREMENDOUS OPPORTUNITY FOR THESE INDUSTRIES:

- CHEMICAL
- CONFECTIONERY
- ADHESIVES
- COSMETICS
- DISTILLERS
- EXPLOSIVES
- BEVERAGES
- OILS & FATS
- CANNERS
- PLASTICS
- PAINTS
- FOOD
- DRUGS
- SOAP
- WAX
- INK
- ETC

TERMS OF SALE

This Sale will be conducted in conformity with the regulations of all Government Agencies. All of the above will be sold to the highest bidder or bidders for cash in accordance with our regular terms and conditions, copies of which will appear on the walls of the individual plants. A deposit of 25% on each purchase will be required either in cash or certified check. EVERYTHING WILL BE SOLD ON AN "AS IS" BASIS UNLESS OTHERWISE SPECIFICALLY ANNOUNCED BY THE AUCTIONEER AT THE TIME OF SALE.

SALE UNDER MANAGEMENT OF

INDUSTRIAL PLANTS CORPORATION

PROFESSIONAL AUCTIONEERS — APPRAISERS — LIQUIDATORS

90 WEST BROADWAY, NEW YORK 7, N. Y. • 316 S. LA SALLE ST., CHICAGO 4, ILLINOIS

Toledo, Ohio • Pittsburgh, Pa.

ABSOLUTE PUBLIC AUCTION SALE

One of America's Largest Stocks

CHEMICAL, FOOD, and PROCESS EQUIPMENT

On the premises of **FIRST MACHINERY CORPORATION** (Forced to Move)

819-837 EAST 9th STREET, AT EAST RIVER DRIVE, N. Y. C.

Sale Dates:

WED. & THURS.

FEB. 27 & 28, 1946

Starting Promptly at 10:30 Each Day

INSPECTION: WED. FEB. 20 to Sale Date

CHEMICAL EQUIPMENT

STILLS, EVAPORATORS, VACUUM PANS, AND PRESSURE VESSELS in steel, copper, aluminum, glass lined, in varying capacities, jackets, coils.

KETTLES AND TANKS, jacketed and unjacketed, some with coils, some with agitators, in stainless steel, copper, iron, steel, aluminum, glass lined, various capacities.

EXTRACTORS AND CENTRIFUGES by Sharples, DeLaval, Tolhurst, American Machine and Tool, Troy, Viersen, with stainless, iron, bronze, monel, copper or rubber lined contact parts, different models, varying capacities.

CONDENSERS AND HEAT EXCHANGERS by Westinghouse, Alberger, Devine, Deckenbach and others. Several extremely large units up to 1500 sq. ft.

ROTARY VACUUM DRYERS, VACUUM DRUM DRYERS, CHAMBER DRYERS by Buffalo, Devine and others.

EVAPORATORS, DISTILLATION EQUIPMENT, COLUMNS, bubble cap or perforated plate type.

DIGESTERS AND AUTOCLAVES.

HEAVY DUTY MIXERS, both jacketed and unjacketed, with single or double arm, in all capacities.

BRAND NEW PORTABLE AGITATORS, fractional horse power motors of high speed and geared head, having steel or stainless steel shaft and propellers.

COMPLETE MACHINE SHOP AND METAL WORKING EQUIPMENT including lathes, drill presses, shapers, milling machines, brake, roller, etc.

PROCESSING EQUIPMENT

FILTERS AND FILTER PRESSES by Shriver, Sperry, Kiefer, Kelly, Oliver United, Alsop, Ertel, Sietz, also several filter press Skeletons.

MILLS, GRINDERS AND HAMMER MILLS by Mikro, FMC, Williams, Raymond, Bauer, Mead, Schutz-O'Neill, Munson, J. H. Day, Sprout Waldron, Straub, American Attrition Mills.

CUTTERS AND CHOPPERS, PUMPS, BLOWERS, VISCOLIZERS, COLLOID MILLS, HOMOGENIZERS including a tremendous stock of Vacuum Pumps, Rotary Pumps, Centrifugal Pumps, Gear type Pumps, Steam Pumps in such metals as stainless, iron, bronze, acid resistant contact parts. Such manufacturers represented as Union Steam Pump Co., Manton-Gaulin, Eppenbach, Charlotte, Chemi-Colloid, Gould, Oberdorfer, Worthington, Knowles, Davidson, Beach-Russ, Kinney, Devine, Buffalo, Quimby and other standard makes.

COMPRESSORS AND ICE MACHINERY by Allis Chalmers, Ingersoll-Rand, National Brake, Gardner, Quincy, Blaisdell, Vilter, Brunswick Kroeschell and others.

SIFTERS, SCREENS AND SEPARATORS by Orville Simpson, Rotex, J. H. Day, Robinson, Sprout Waldron, Tyler Hummer, Link Belt and others.

HYDRAULIC PRESSES, MAGNETIC SEPARATORS, INDUSTRIAL VACUUM CLEANERS, TANKS of various metals and in all wanted sizes, steam jacketed Kettles, new and used, in stainless steel, copper, iron, steel, glass lined, some with agitators, up to 4500 gallons.

PACKAGING EQUIPMENT

FILLERS for liquids, semi-liquids, powders, dry materials, pastes and etc. by Pneumatic Scale, Stokes, Stokes and Smith, Triangle, Colton, New FMC Rotary and Straight Line Syphon Fillers, Straight Line Vacuum Fillers, Gravity Fillers, Auger Type Fillers, including units for every job of packaging.

CAPPERS, CROWNERS AND CLOSERS by Elgin, Capem, Pneumatic Scale, Adriance, others.

LABELLING MACHINES by World, O&J, Liquid Carbonic, Ermold, New Jersey Pony Labelrites, Standard Knapp, Burt, for many types of packages, jar, glass, can and etc., both semi-automatic and fully automatic.

CARTON GLUERS AND SEALERS by Standard Knapp.

WRAPPING MACHINES by Miller, Johnson, Package Machinery Co. and etc.

POWDER MIXERS, GRANULATORS, GRINDERS, POT MILLS, SINGLE PUNCH AND ROTARY TABLET MACHINES. Extra punches and dies also available.

MISCELLANEOUS

FACTORY HANDLING EQUIPMENT such as Conveyors, Lift Trucks, Elevators, Skids, Bucket Elevators, Hoists, Hoppers, Instruments, Gauges, Coils, Valves, Testers, Thermometers, Label Perforators, Pulleys, Sprockets, Chains, Drives, Belting, Motors, Electrical Equipment, Drum Tilters and thousands of parts for standard machines used in the industries indicated.

FOOD EQUIPMENT

STEAM JACKETED KETTLES in stainless steel, copper and steel, some with agitators; brand new Portable Agitators, some with stainless steel as well as steel shafts and propellers.

DOUGH MIXERS AND CAKE MIXERS of all types.

PACKAGING EQUIPMENT of all types, see listing under that head.

DICERS, CUTTERS AND CHOPPERS, SLICERS by Buffalo, Hercules, Josiah Anstice, Sterling and etc.

DRY POWDER MIXERS by FMC, J. H. Day, Robinson.

SIFTERS, by Orville Simpson, Rotex, J. H. Day, Robinson, Sprout Waldron, etc.

RETORTS and PRESSURE COOKERS.

PULPERS AND FINISHERS.

KIEFER VISCO FILLERS, FMC HAND PACK FILLERS, M&S PISTON TYPE FILLERS for soups and vegetables, dog food, jams, jellies, etc.

BAG PACKERS, REFRIGERATION EQUIPMENT and all types of other equipment used in food processing.

DIRECTIONS FOR REACHING PLANT. Just 12 minutes by cab from the Chemical Show or Mid-Manhattan. All subways, bus lines or 3rd Avenue El to the 8th St. Crosstown Line going East. Bus No. 13, last stop, walk one block to East River Drive and 9th St.

SALE UNDER MANAGEMENT OF

INDUSTRIAL PLANTS CORPORATION

PROFESSIONAL

AUCTIONEERS — APPRAISERS — LIQUIDATORS

90 WEST BROADWAY
NEW YORK 7, N. Y.

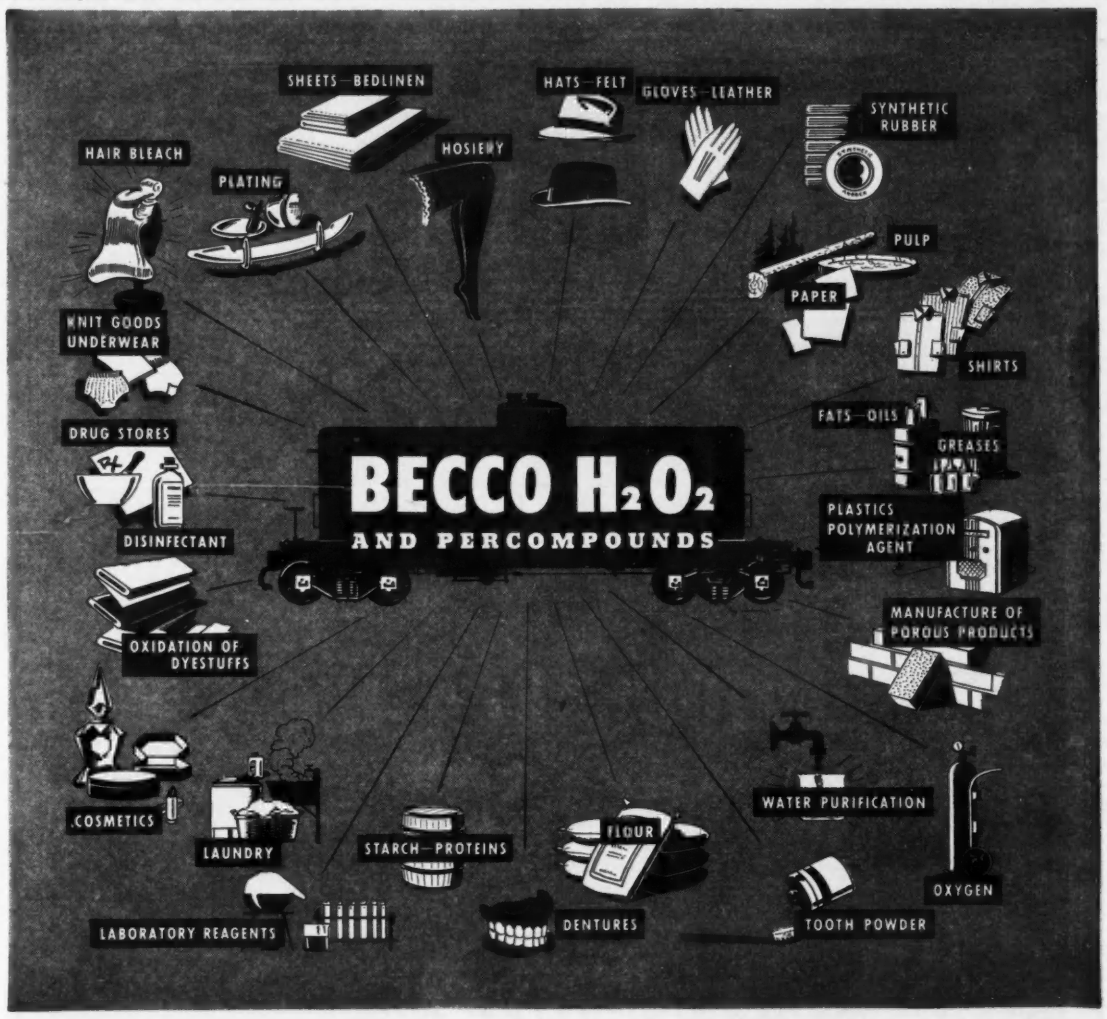
316 S. LA SALLE ST.
CHICAGO 4, ILLINOIS

TOLEDO OHIO • PITTSBURGH PA.

ADVERTISEMENT—This entire page is a paid advertisement.

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks. gal. .06 - —
Bayonne, 73-75 oct., tank.gal. .077 - —
Gulf Coast, 73-75 oct., tanks. gal. .05¾- —
Group 3, 73-75 oct., tanks. gal. 05½- .06
Pennsylvania, western, US motor, 74 octane, leaded, tanks..gal. .07 - .07¾
natural, 26/75, Group 3, tanks. gal. .06 - .06½
Gelatin, silver label, ctns., dlvd., lb. .90 - .97
export, cs.....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Geisenium root, bls.....lb. .39 - .40
Gentian root, bls.....lb. .36 - .38
grd., bbls., bxs.....lb. .35 - .40
powd., bbls., bxs.....lb. .39 - .41
Geraniol, 92-96%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. 3.50 - 3.60
Ginger,[1] African, No. 1, bls...lb. .15 - .15½
Calicut, Romeo-type, bgs....lb. .16½- .17
Cochin, bleached, bgs.....lb. .17 - .17½
unbleached, bgs.....lb. .15¾- .16¼
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .21½- .22
No. 3, bgs.....lb. .17½- .18
Rhattoon, bgs.....lb. .17 - .17½
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works.... 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .18 - .23
30/38, bgs., c.l., same basis..lb. .15½- .23½
38/82, bgs., c.l., same basis. lb. .17 - .24
82/108, bgs., c.l., same basis. lb. .18½- 25½
Bone glue l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd....lb. .14 - .21½
122-149, bgs., c.l., dlvd.....lb. .15 - .22½
150-177, bgs., c.l., dlvd.....lb. .16 - .23½
178-206, bgs., c.l., dlvd.....lb. .17 - .24¼
207-236, bgs., c.l., dlvd.....lb. .18 - .25½
237-266, bgs., c.l., dlvd.....lb. .19 - .26½
267-298, bgs., c.l., dlvd.....lb. .20 - .27½
299-330, bgs., c.l., dlvd.....lb. .21 - .28½
331-362, bgs., c.l., dlvd.....lb. .22 - .29½
363-394, bgs., c.l., dlvd.....lb. .23 - .30½
395-427, bgs., c.l., dlvd.....lb. .24 - .31½
428-460, bgs., c.l., dlvd.....lb. .25 - .33½
461-494, bgs., c.l., dlvd.....lb. .26 - .33½
495-529, bgs., c.l., dlvd.....lb. .27 - .34¼
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks...lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- 18¼
l.c.l.....lb. .18 - .18¾
tanks.....lb. .17¼- .18
high gravity, dms., c.l.....lb. .17½- .18¼
l.c.l.....lb. .18 - .18¾
tanks.....lb. .17¼- .18
refined, B.P. 98%, dms., c.l..lb. .18¾- —
l.c.l.....lb. .19¼- —
tanks.....lb. .18½- —
USP, 96%, dms., c.l.....lb. .18¼- —
l.c.l.....lb. .18¾- —
tanks.....lb. .18 - —
Yellow, distilled, dms., c.l..lb. .17¾- —
tanks.....lb. .17¾- —
Glycine, USP, bbls., tins.....lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz. 20.75 -21.00
acid-yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots.. oz. 18.00 - —
USP IX, bots.....oz. 14.50 -14.75
Goldenseal root, bls.....lb. 8.50 - 8.75
powd., bxs.....lb. 9.00 - 9.25
Gold of pleasure seed, bgs... ¹b. No stocks
Grains of paradise, bgs.....lb. .30 - .37
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis, lb. .05½- —
80-85%, bgs., same basis. lb. .02 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease, house,[4,7] loose.....lb. .06¼- —
White, choice, loose.....lb. .06¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] chromium toner, molybdic, kgs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
15% bbls., same basis...lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .32 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .12 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis...lb. .20 - —
Green, chrome, reduced color, 71-75%, bbls., same basis.lb. .21 - —
Chrome green prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.) Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalised with Chicago.
Green, chrome oxide, pure, dms., wks..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide, bbls., works....lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .23
Guaiac, resin, cs.....lb. .28 - .30
Wood, bls.....lb. .05 - .06
Guaiacol, liquid, N.F., bots., cbys..lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.45
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
l.c.l., works.....lb. .58 - .75
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .12 - .13½
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Gum, benzoin, artificial cns...lb. 1.75 - 2.55
Siam, cns.....lb. 3.00 - 3.60
Sumatra, cs.....lb. .82 - 1.00
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under import regulation).
East India,[1] Batu, bold, scraped, c.l., same basis.lb. .10½- —
unscraped, same basis.lb. .09 - —
chips, same basis...lb. .12 - —
dust, same basis...lb. .09½- —
nubs and chips, same basis..lb. .05¾- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis....lb. .11½- —
dust, same basis...lb. .06½- —
nubs, same basis...lb. .13¾- —
Singapore, Rasak, bold, bgs., same basis..lb. .23½- —
chips, same basis...lb. .11¾- —
dust, same basis..lb. .05½- —
nubs, same basis...lb. .10¾- —
Macassar,[1] dust, bgs., c.l., same basis...lb. .07¾- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11¾- —
Manila, Boeas,[1] hard, bold, amber, light, bekts., c.l., same basis..lb. .13½- —
dark, light, same basis..lb. .14½- —
white, same basis.....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .12 - —
Gum, copal, Manila, Lobe, ONE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08¾- —
dust, same basis.....lb. .07¾- —
WB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
white split chips, bgs., c.l., same basis..lb. .15¾- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l...lb. .06¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15¾- —
extra bold, sorts, bgs., c.l., same basis..lb. .12¾- —
pale chips, bold, same basis. lb. .12 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust same basis....lb. .06¾- —
SG, same basis.....lb. .10¼- —
small chips, same basis..lb. .11¾- —
c.l., same basis..lb. .20¾- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis. lb. .13½- —
nubs, same basis.....lb. .13 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. 35¾- —
A/C, same basis.....lb. .31¾- —
A/D, same basis.....lb. .29¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34¾- —
C, same basis.....lb. .32¾- —
D, same basis.....lb. .32¾- —
E, same basis.....lb. .14¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —



ONLY a small portion of the many applications and industries in which BECCO Hydrogen Peroxides and Percompounds have proved of value are illustrated above. Because there is such a wide diversification of "peroxygen" chemicals, Becco engineers and chemists will be glad to suggest the type best suited for any purpose. The Buffalo Electro-Chemical Company, Inc. is one of the largest producers of active oxygen chemicals in the world. Its engineers, chemists and scientists are experts in the proper selection of the oxygen chemical to use for a specific application. And, in addition, they have one of the most completely equipped laboratories in the country to help them solve your problems. Consult them without obligation.

BUFFALO ELECTRO-CHEMICAL CO., Inc.

Becco Sales Corporation Sales Agents

30 SAWYER AVENUE, BUFFALO 7, NEW YORK

Gum, dammar, Singapore,[1] No. 1, c.a., c.l..lb. .30½- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12½- —
chips, cs., same basis....lb. .22½- —
dust, bgs., same basis...lb. .13 - —
seeds, cs., same basis....lb. .17½- —
Gum, dammar, l.c.l., prices ½c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester,[1] gum-rosin, type, dms., c.l., divd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., divd., Ill., etc.....lb. .1335- —
other points, same basis.lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., divd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac rosin).
Karaya, bbls., bxs., dms....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .13 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .26 - —

Gum, kauri, No. 3, 2x, same basis..lb. .49 - —
2x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .25 - —
bold, same basis.....lb. .49 - —
bright, same basis.....lb. .16 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis.lb. .20¾- —
dust, pale, same basis...lb. .20¾- —
extra, same basis...lb. .25½- —
No. 1, same basis.....lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis..lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .05¾- —
4x, same basis.....lb. .06 - —
5x, same basis.....lb. 1.80 - —
Gum kauri, l.c.l., prices are ½c. to ½c. higher.
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .25
Opium (see O).
Rod (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .07½- .09¼
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 2.50 - 2.90
No. 2, cs.....lb. 2.75 - 2.80
No. 3, cs.....lb. 2.15 - 2.60
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered.....lb. .07¼- —

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.32.65 - —
Harlem River, N. Y., frt. equald..ton.30.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.31.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.16.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plastereo, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard ,Okla.; Sweetwater, Tex.; frt. equald..ton. 3.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —

Gypsum, terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla., works, ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.75 - 4.00
Hellebore, white, powd., bbls..lb. .44 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.35 - 1.50
Henna leaves, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 60°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .35
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .35
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -35.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 6.50
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.20.00 -23.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15¼- .16½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, divd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l....lb. .30 - —
Hyssop, bgs.....lb. 1.25 - 1.30

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16¾- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.50 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars....lb. 1.07 - —
100-lb. kgs.....lb. 1.28¾- —
resubl., 5-lb. bots., jars....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or 5lb. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.00
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls. c.l. dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 5.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .05¼- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb .84 - .87
Glycerophosphate, bbls.....lb. 2.40 - 2.52
Hypophosphite, bbls., dms...lb. 1.90 - 1.92
Iodide, bots.....lb. 3.13 - 3.25
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red., tech., dms....lb. .08¼- .04
Oxalate, gran., dms.....lb. .32 - .35
powd., cns.....lb .52 - —
ores.....lb. .47 - .49
Phosphate, soluble, NF, gran. cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .52 - .62
Reduced, 90% thru .....lb .68 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .17¼- —
Sulphate (ferric), anhyd., bgs., c.l., works. ton.35.00 - —
l.c.l., works.....ton.40.00 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms..lb. .05¼- .11
Tallate, 4% Fe, 50-gal dms lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms lb. .32 - .38
scale, dms.....lb. .40 - .42
Oxalate, bbls.....lb. .28¼- —
dms., kgs.....lb. .25¼- .26¼

LANOLINE

Anhydrous U. S. P. Hydrous
Technical

WOOLGREASE

Refined Neutrals
All Grades

ROWAG

BEESWAX

Sunbleached U. S. P. Yellow

ROBINSON WAGNER CO.

MANUFACTURERS AND REFINERS

110 E. 42nd St. New York 17, N. Y.

Iron-soda oxalate, bbls., dms.	lb.	.23½- .24½
Isobornyl acetate, cns., works.	lb.	.85 - .96
Propionate, dms., works.	lb.	No prices
Isoeugenol, cns., works	lb.	3.75 - 4.25
Isopentane, dms., works	lb.	.45 - .55
Isophorone, dms., c.l., works.	lb.	.21 - —
l.c.l., works	lb.	.22 - —
tanks, works	lb.	.20 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.11 - —
l.c.l. E. of Rockies, same basis	lb.	.11½- .13
tanks, E. of Rockies, same basis	lb.	.10 - —
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., dlvd.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks, dlvd.	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.35 - —

J

Jaborandi leaves, bls.	lb.	.14 - .15
Jalap root, NF, bls.	lb.	.32 - .33
powd., bbls., bxs.	lb.	.28 - .30
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, dom., bgs.	lb.	.50 - .70
Juniper tar, USP, dms.	lb.	.85 - 1.00

K

Kamala, cns.	lb.	.53 - .55
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.28 - .32
Kerosene, at refinery: Ark., 42-44 w.w., tanks.	gal.	.05 - —
Bayonne, 41-43 w.w., tanks.	gal.	.061 - —
California, 40-43 w.w., tanks,	gal.	.07 - —
Gulf ports, 41-43 w.w., tanks,	gal.	04½- .05
Okla-Tex., 41-43 w.w., tanks,	gal.	.04875- —
Penn., 45 w.w., tanks.	gal.	.0625- .0705
47 w.w., tanks.	gal.	.0705- —
Kola nuts, bgs.	lb.	.09 - .10
Kyanite,[1] imp., low iron content, 10-mesh, whse.	ton.	85.00 - 95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 - 105.00

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref. trcs.	lb.	.1622½- —
prime steam, trcs.	lb.	.1446- —
Larkspur seed, bgs.	lb.	.32 - .35
Laurel berries, bls.	lb.	.25 - .30
Leaves, Cyprus, bls.	lb.	.23½- .25½
Greek, bls.	lb.	No stocks
Portuguese, bls.	lb.	.14½- .15
Turkish, bls.	lb.	.17 - .17½
Lavender flowers, medium, bls.	lb.	.75 - .80
ordinary, bls.	lb.	.48 - .60
select, bls.	lb.	.90 - .95
Lead, acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13½- —
Arsenate,[1,8] basic powder, 3-lb. bgs. or larger, c.l.	lb.	.11½- .12
l.c.l.	lb.	.12 - .12½
1-lb. ctns. c.l.	lb.	.12½- .13½
l.c.l.	lb.	.13 - .14
standard paste, cns. c.l.	lb.	.09½- .10
l.c.l.	lb.	.09 - .09½
powder, 3-lb. bgs. or larger, c.l.	lb.	.11 - .11½
1-lb. bgs., c.l.	lb.	.16 - .20
l.c.l.	lb.	.16½- .20½
1-lb. ctns., c.l.	lb.	.18 - .22
l.c.l.	lb.	.18½- .22½
½-lb. ctns., c.l.	lb.	.21 - .25
¼-lb. ctns., l.c.l.	lb.	.21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.07½- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
l.c.l., dlvd. E.	lb.	.07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.08 - —
Carbonate (see Lead, white).		
Chloride, fib. dms	lb.	.42 - —
Iodide, NF V. bots.	lb.	2.80 - —
jars	lb.	2.60 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metal,[1,5] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks
Naphthenate, 24%-30% Pb.	lb.	.14½- .17½
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.32 - .33
Red, 96% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.08½- —
other points	lb.	.09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Ariz., Idaho, Nev., Utah, and E of Cascade Mts in Ore and Wash.	lb.	.10¾- -
Colo., Mont., N. Mex., Wyo.	lb.	.10 - —
other points	lb.	.09½- —
smaller lots, Ala., etc.	lb.	.10½- —
Ariz., etc	lb.	.10¾- —
Colo., etc	lb.	.10½- —
other points	lb.	.10 - —
in oil, kgs	lb.	.14 - —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc.	lb.	.09½- —
other points	lb.	.09¾- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10 - —
Ariz., etc	lb.	.10½- —
Colo., etc	lb.	.10½- —
other points	lb.	.09¾- —
smaller lots, dlvd. Ala.,	lb.	.10¾ -
Ariz., etc	lb.	.11 -
Colo., etc	lb.	.10¾ -
other points	lb.	.10¾ -
Lead, red, 96% Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc.	lb.	.09¾- —
other points	lb.	.09¾- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¼- —
Ariz., etc	lb.	.10¾- —
Colo., etc	lb.	.10½- —
other points	lb.	.10 - —
smaller lots, dlvd. Ala., etc.	lb.	.10¼- —
Ariz., etc	lb.	.11¼- —
Colo., etc	lb.	.11 - —
other points	lb.	.10½- —
Resinate, precip., 23.5% Pb., dms.	lb.	.17½- —
silicate, bgs.	lb.	.0730- .0775
Soyate, 26.16% Pb., dms.	lb.	.22½- —
Stearate, bbls.	lb.	.31 - .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb. dms.	lb.	.09½- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½- —
dlvd. other points	lb.	.08¾- —
l.c.l., dlvd. Ariz., etc.	lb.	.09¾- —
other points	lb.	.09½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½- —
other points	lb.	.07¾- —
l.c.l., dlvd. Ariz., etc.	lb.	.08 - —
other points	lb.	.07½- —
in oil, consumers, kgs	lb.	.13¾- .14¾
painters, kgs.	lb.	.12¾- .13¾
Lecithin, edible, dms., c.l.	lb.	.25½- —
l.c.l.	lb.	.27½- —
in cocoa butter, dms., c.l.	lb.	.39½- —
l.c.l.	lb.	.40¾- .50
tech., dms., c.l.	lb.	.25½- —
l.c.l.	lb.	.26½- .45
vegetable, pure, bots, 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	lb.	.30 - .35
Licorice extract, mass, cns.	lb.	.35 - .72
powd., bbls.	lb.	.60 - .65
Root, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.15 - .20
Russian, bls.	lb.	.12 - .15
Spanish, bls.	lb.	.13 - .15
Turkish, bls.	lb.	.12 - .15
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —
Lime, chemical (quicklime) lump, pebble, Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkeley, W. Va.	ton.	7.60 - —
Buffalo, N. Y.	ton.	9.25 - —
Carey, Ohio	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.90 - —
Eagle Mountain, Va.	ton.	7.05 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio	ton.	7.50 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.90 - —
Knoxville, Tenn.	ton.	6.90 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio.	ton.	7.50 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.90 - —
Ripplemead, Va.	ton.	7.05 - —
Riverton, Va.	ton.	7.05 - —
Rockland, Maine.	ton.	8.00 - —
Scioto, Ohio.	ton.	6.50 - —
Lime, chemical (quicklime), lump, pebble, Sherwood, Texas.	ton.	6.90 - —
Sherwood, Wisc.	ton.	6.50 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio.	ton.	7.50 - —
York, Pa.	ton.	7.50 - —
Hydrated, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	8.00 - —
Bellefonte, Pa.	ton.	8.00 - —
Berkeley, W. Va.	ton.	9.00 - —
Buffalo, N. Y.	ton.	9.50 - —
Carey, Ohio	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	10.00 - —
Crab Orchard, Tenn.	ton.	9.65 - —
Eagle Mountain, Va.	ton.	9.15 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio	ton.	8.50 - —
Hannibal, Mo.	ton.	8.50 - —
Keystone, Ala.	ton.	10.65 - —
Knoxville, Tenn.	ton.	9.65 - —
LeRoy, Minn.	ton.	10.00 - —
Limedale, Ark.	ton.	9.00 - —
Longview, Ala.	ton.	9.65 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio.	ton.	9.50 - —
Martinsburg, W. Va.	ton.	9.00 - —
Menominee, Mich.	ton.	— - —
Mitchell, Ind.	ton.	9.00 - —
Newala, Ala.	ton.	9.65 - —
Petoskey, Mich.	ton.	9.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. Dak.	ton.	12.60 - —
Ripplemead, Va.	ton.	9.15 - —
Rockland, Maine.	ton.	9.00 - —
Scioto, Ohio.	ton.	8.00 - —
Sherwood, Tenn.	ton.	10.65 - —
Sherwood, Wisc.	ton.	10.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio.	ton.	8.50 - —
York, Pa.	ton.	9.00 - —
Spray, paper bgs., Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	10.00 - —
Bellefonte, Pa.	ton.	10.00 - —
Carey, Ohio	ton.	11.00 - —

What comes off the end of your customer's brush depends on what you put into your product.

* * *

Run your eye over the list above and see if you don't agree that these features are *all* mighty important to you or your customers.

* * *

You get all 14 of these properties from one pigment – Basic Carbonate White Lead!

* * *

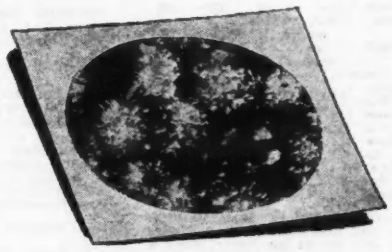
A number of the advantages White Lead imparts to paint come from its unique ability to form "lead soaps" – as explained at the right.

* * *

Look into the many ways White Lead helps make better house paint.

* * *

Our technical staff will be glad to advise how Dutch Boy Basic Carbonate White Leads fit into formulations. Their recommendations are backed up by 28 years of outdoor exposure tests – the longest continuous paint fence experience on record.



Lead Soaps Give These "Pluses"

Many of White Lead's advantages in paint-making result from the "lead soaps" formed when this pigment reacts with oil. As shown in the photomicrograph above, each fibrous lead soap structure has a nucleous, from which radiate multiple projections. These soap formations mechanically reinforce the paint film, giving it greater toughness and weather resistance.

They also allow movement all along their intermeshing projections. This action helps prevent the ruptures to which a hard unyielding film is subject—improves both elasticity and adhesion.

The tendency of White Lead to react with linseed oil also explains why this pigment wets easily and thus mixes and grinds well.

NATIONAL LEAD COMPANY – *New York, Buffalo, Chicago, Cincinnati, Cleveland, St. Louis, San Francisco; Boston (National-Boston Lead Co.); Pittsburgh (National Lead & Oil Co. of Penna.); Philadelphia (John T. Lewis & Bros. Co.)*

DUTCH BOY *Basic Carbonate* WHITE LEADS

Lime, spray, paper bgs., Farnams, Mass..ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Sciote, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-lime-stone).

Linalool, cns.....lb. 7.75 - 7.80

Linalyl acetate, ex lignaloe wood, bots..lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 3.75 - 3.90

Linden flowers with leaves, bls., lb. .85 - .90

Linseed meal,[1,7] 34%, bulk, c.l. ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —

Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —

Lithium carbonate, NF, bona., kgs..lb. 1.25 - 1.30

Bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.65
Hydroxide, jars.....lb. 1.25 - 1.45
Iodide, bots.....lb. 5.20 - —
jars.....lb. 5.05 - —
Stearate, fib. dms., 2 tons, works..lb. .80 - —

Lithopone,[1] ordinary, bgs., c.l. (20 tons)..lb. .04½- —
l.c.l.....lb. .04½- —
bbls., c.l.....lb. .04¾- —
l.c.l.....lb. .04¾- —
titanated, (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0565- —
bbls., c.l.....lb. .0565- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ½c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
bbls., l.c.l..lb. .84 - —

Liverwort leaves, bls.....lb. .65 - .80

Lobelia herb, bls.....lb. 1.10 - 1.15

Lobeline sulphate, bots., wks..oz.25.50 -28.00

Logwood extract, crystals, No. 1, No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. 15 - —
solid, No. 1, bgs., l.c.l....lb. .23 - —
No. 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 3, bxs., l.c.l.....lb. .23½- —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. 20½- .44½

Lovage root, American (ligusticum actae folium), bls..lb. 1.20 - 1.30

Lupulin, NF, tin.....lb.12.75 -13.00

Lycopodium, USP, cs.....lb. 1.75 - 2.00

M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.

Madder, Dutch, bbls.....lb. .24 - .30

Magnesia arsenate,[1] dms.....lb. .153 - .16
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07½- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08½- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower. Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd..lb. .12¾- —
flake, bbls., c.l., works...ton.82.00 - —
l.c.l., works.....ton.89.00 -42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls., lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns.....lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —

Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.88.75 - —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00

Maleic anhydride, dms., c.....lb. .25 - —
l.c.l.....lb. .26 - —

Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.25 - 1.30
Leaves, bls.....lb. .43 - .44

Manaca root, bls.....lb. .50 - .51

Mandrake root, bls.....lb. .33 - .34

Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .10 - —
Chloride, anhyd., bbls.....lb. .15 - .18

Manganese dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
85-90%, burlap bgs., c.l., works..ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
ens., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars.....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, dms..gal. .16 - —
Resinate, fused, 3¼%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., same or Balto. or Cincinnati...ton.68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
Tallate, 4% Mn, dms.....lb. .09 - —
Mangrove bark,[1,8] E. Africa, 35% tannin, c.l., ex dock, U. S. ports..ton.63.00 -64.00
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .65 - —
Marjoram, Argentine, bis.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .37
Chilean, bls.....lb. .12½- .13
Matico leaves, bls.....lb. .22 - .24
Menadione, USP, bots.....gram. .10 - —
Menthol, natural, USP, cns...lb. 4.40 - 4.50
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.00 - 4.05
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.58 - 1.90
Mercury bichromate[2] (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms., kgs..lb. 4.20 - —
yellow, fib. dms., kgs.....lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 -1.76
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in...pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R., gal. .62 - —
l.c.l., same basis.....gal. .72 - —
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 3c. higher
tanks, Zone 1, frt. alld....gal. .24 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .42 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
Synth., tanks, Zone 1, frt. alld. gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .06½- —
10 dms., dlvd.....lb. .09¾- —
1-9 dms., dlvd.....lb. .10¾- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .15½
10 dms.....lb. .13½- .16¾
1-9 dms.....lb. .14½- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10¾- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09¾- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¾
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .80¼- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .68 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .68 - —

Methyl acetone, national, group B, tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Synthetic, dms., c.l., Zone 1, gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - —
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 2.25 - —
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs. lots..lb. .37 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. .30 - .32
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld.....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 96-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.85 - —
Chloride, refrig., dms., wks..lb. .18 - .20
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works—lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - 3.75
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .16 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.35.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines, ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse, or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14½- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls, c.l.....lb. .29 - —
spray, bbls., c.l. .....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .28 - —
l.c.l., works.....lb. .28¾- .27½
Mineral spirits (see Petroleum, mineral spirits).

Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2 .....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).

Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,6] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —

Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —

Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .08

Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —

Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —

Monomethylamine, dms.....lb. .65 - —

Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90

Monosodium phosphate (see Soda phosphate, monobasic).

Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —

Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —

Mullein leaves, cns.....lb. .12 - .132

Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
Xylol, cns., 100 lbs. or more. lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.00
Muskroot bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14½- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .23½- .24
Montana, brown, bgs.....lb. .11 - .11½
oriental, bgs.....lb. .11 - .11½
yellow, bgs.....lb. .24 - .24½
Swedish, bgs., futures.....lb. 38 - .38½
Washington, yellow, bgs....lb. .24½- .25
Myrobalans,[1] whole, JI, U. S. ports, ex dock..ton.58.00 - —
J2, same basis.....ton.52.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .06 - —
bbls., c.l., same basis....lb. .031 - —
tanks, same basis. ....lb. .0275- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —

Neocinchophen, USP, dms.....lb. 7.00 - 7.10

Nepheline syenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.

Nerolin, crys., cns.....lb. 1.70 - 1.80

Niacin (see Acid, nicotinic).

Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .19 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½

Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .3660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kilo.11.00 -11.80
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —

Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —

Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .37 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —

Nitrogen solut., tanks.....ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.

Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.80
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40

Nitromethane, dms., c.l., works, lb. .25 - —

Nitronaphthalene, bots.....lb. .24 - .26
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks

Nutmegs,[1,7] West Indian, No. 1, futures..lb. .24¼- .24¾
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

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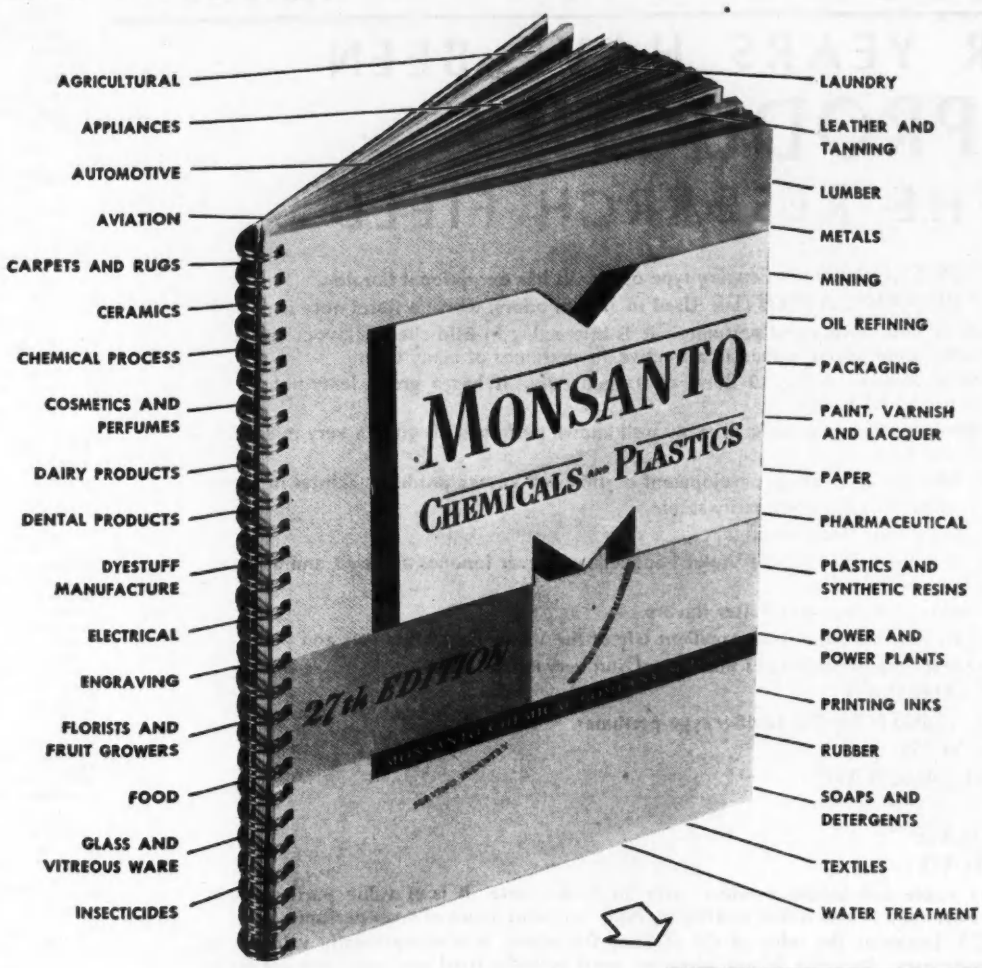
and now available



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O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.S..gal. .15¼- —
l.c.l., G. S.....gal. .20 - —
10 gals., G.S.....gal. .22 - —
tanks, G.S.....gal. .19 - —
Octanol, normal, tech., 360-lb. dms., divd..lb. .85 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.25
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.10 - 1.35
Angelica root, bots.....lb. 120.00 -125.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns.....lb. 4.00 - —
Chinese, dms.....lb. 5.05 - 5.50
Apricot kernel, cns.....lb. .45 - .50
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.75 - —
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.50 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.25 - 7.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. No stocks
redistilled, USP IX, cns....lb. No stocks
Calamus, cns.....lb. 20.00 -24.00
Camphor, synthetic, white, cns. lb. .18 - .23
Oil, cananga, native, cns.....lb. 8.00 -12.50
rectified, cns.....lb. No stocks
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.50 -11.50
Cardamom, bots.....lb. 16.50 -18.00
Cassia, USP, cns.....lb. 10.75 -14.00
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l. .....lb. .17¼- —
cold pressed, USP, cns....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l. .....lb. .15¾- —
tanks .....lb. .1430- —
dehydrated, bodied, dms., c.l. lb. .1975- —
l.c.l. .....lb. .2015- —
tanks .....lb. .1935- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l. .....lb. .1915- —
tanks .....lb. .1835- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l. .....lb. .15½- —
tanks .....lb. .14 - —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - .10¼
l.c.l. .....lb. 10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12¾
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12¾- .13
l.c.l. .....lb. .13¼- .13½
Cedarleaf,[1] USP, cns., dms...lb. 2.50 - 2.75
Cedarwood, dms.....lb. 1.00 - 1.10
Celery, bots.....lb. 16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .65
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb. 32.50 -34.50
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.65 - 1.75
Clove, USP, cns.....lb. 1.50 - 1.75
Oil, coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0885- —
Cochin type, bulk, c.i.f. N. Y..lb. .0925- —
Manila, bulk, c.i.f. N. Y..lb. .0885- —
ret. dms.....lb. .0885- .0935
edible, ex tax, bulk.....lb. .0925- —
Cod, Newfoundland, dms....gal. .80 - .90
tanks .....gal. .82 - —
Codliver, USP, bbls., dms..gal. 2.15 - 2.25
Coriander, bots.....lb. 25.00 -35.00
Corn,[1,7] crude, tanks, works..lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16¾
tanks .....lb. .1502- —
foots, acid, 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E..lb. .08½- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13¼
foots, acid, 95% tanks, divd. E..lb. .07¾- —
raw, 50%, tanks, divd. E..lb. .03¾- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. No prices
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb. No stocks
Cypress, bots.....lb. 12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.00 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.15 - 1.40
Fennel, sweet, cns.....lb. 4.00 - —
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .20 - —
Oil, fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb. No stocks
Geranium, Bourbon, cns.....lb. 17.50 -22.00
Russian,[6] cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 11.00 -13.50
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.10 - 4.00
Hemlock, cns.....lb. 2.00 - —
Herring,[1] crude, tanks, Pac. coast..lb. .060 - —
Juniper, berry, dom., bots....lb. 6.75 - 7.50
Juniper tar, USP (see Juniper Tar).
Juniper, berry, dom., bots....lb. 6.50 - 7.50
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 6.00 - 8.00
Lavender flower, French, 38%-42% ester, cns..lb. 13.00 -17.00
30-32% ester.....lb. 8.50 - —
Russian, cns.....lb. 14.50 - —
spike, Spanish, pure, cns....lb. 2.75 - 3.15
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....lb. 2.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb. 42.00 -50.00
Lemongrass, cns., dms.....lb. 2.95 - 3.85
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.85 - 6.25
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns., lb. 6.00 - 6.75
West Indian, cns.....lb. 7.00 - 7.50
expressed, West Indian, cns., lb. 18.50 -18.00
Linseed,[1,7] raw, dms., c.l...lb. .1550- —
l.c.l. .....lb. .1600- .1650
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l..lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-300 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red., 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal .15 - .16
Pa., bright stock, 145-155 vis., No. 8 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.60 - 8.75
Menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16¾
Neroli, French, bots.....lbs. 250.00 -300.00
Haitian, bots.....lb. 195.00 -200.00
Oiticica,[1] liquid, dms., c.l...lb. .24½- —
dms., l.c.l. .....lb. .25 - —
Oleo,[1] extra, dms., Chicago..lb. .1304- —
prime, dms. Chicago.....lb. .1278- —
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-4½% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .12 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (66% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - —
expressed, USP, Brazilian, cns..lb. 1.30 - 1.60
Calif., cns.....lb. 1.55 - 2.00
Florida, cns., dms.....lb. 1.40 - 1.60
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.75 - 3.00
sesquiterpeneless bots.....lb. 100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.85
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. No stocks
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0885 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .08¾- .09¼
320° flash, 60-70 vis., tanks, G.S..gal. .09 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .09¼- —
100-110 vis., 0/10 pour, same basis..gal. .08¼- .15
10/25 pour, same basis..gal. .08¼- .09¾
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, divd. E..lb. .1501- —
crude, tanks, works.....lb. .12¾- .13¾
foots, acid, 95%, tanks, divd. E..lb. .09 - —
raw, 50%, tanks, divd. E..lb. .04 - —
hydrogenated, tanks, divd. E., lb. .1573- .1673
Pennyroyal, dms., cns.....lb. No prices
Import, cns.....lb. 3.25 - 3.55
Peppermint,[1] natural, dms...lb. 6.25 - 6.85
redist, USP, dms.....lb. 6.75 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms., lb. 2.55 - 2.75
Pimento, berry, dms.....lb. 6.25 - 6.60
leaf, cns.....lb. 3.75 - 4.35
Pine,[1] ret. dms., c.l., divd. E., gal. .63 - .66½
l.c.l., divd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 2.10 - 2.25

WAR YEARS HAVE BEEN PRODUCTIVE IN THE RESEARCH FIELD

n-HEXYL SALICYLATE Is of value in Fougere type odors. It has exceptional floralcy.

ALPHA METHYL CINNAMIC ALDEHYDE Used in Jasmin odors, where a floral note is desired.

CHERIOL For use in both flavors and perfumes. It is interesting in wild cherry flavors. It has a woody after-note which makes it attractive in perfumes of many types.

DIASMOL Is used in Jasmin odors and floral odors generally. It has a green, leafy note which is found in natural Jasmin.

RESEDALIA A chemical which is present in many well known perfumes. It gives a very interesting and unusual note.

CYCLAMAL ACETAL An interesting development of this well known product. Fainter in aroma than Cyclamal, it is extraordinarily stable.

ALDEHYDE 3-A Has a leafy floral note.

KETONE 12-A Is of value in all types of Violet bouquets, wherever Ionones are used and a special Ionone note is desired.

GLYCIDOL Is valuable in Walnut and Butter flavors.

LILANAL Has a leafy rose note and is an excellent Lily of the Valley base. It is soft and fine.

ROSANOL A rose leaf note, reminding of Bromstyrol, but very much finer.

2-ETHYL HEXYL SALICYLATE

CYCLOKETAL Is of value in Russian Leather type perfumes.

b-ETHOXY SALICYLATE

b-ETHOXY ETHYL SALICYLATE

FOLIANOL

n-OCTYL SALICYLATE

n-BUTYL SALICYLATE

AMBRIOL A very stable and lasting product, with an Amber note. It is of value particularly in cream odors and is also a fine underlying odor for many types of soap perfumes.

GERANIUM BODY Enhances the odor of Oil of Rose Geranium. It is exceptionally valuable in soap perfumery. Its value is not apparent until actually tried and age tests are made of the finished product, when it shows to great advantage.

b-METHOXY ETHYL SALICYLATE

ETHYL HEXYL SALICYLATE

FIXATONE Is a high boiling point fixative for soap perfume.

LILANTHAL Is of value in all types of Lilac perfume.

JASMINOL Similar to Alpha Amyl Cinnamic Aldehyde, but very stable. Of much finer odor.

CUIRUSAL Is an interesting odor for the development of new type perfumes.

SALIXOL A light, pleasing Cinnamic Willow Bark note. It is of interest both in flavors and perfumes.

CUMINONE An odor note similar to Cuminic Aldehyde, but much softer and finer.

ACASOL Of value both in perfumes and flavors.

MUGINOL For Lily of the Valley type perfumes.

FLORAFAL Of a floral leafy character.

Information in regard to these, together with samples, will be furnished on request on your firm's letterhead. A preview of what is coming in the aromatics field is yours for the asking.

ESTABLISHED 1910 GD CO AROMATICS DIVISION

Aromatics Division

GENERAL DRUG COMPANY

125 Barclay St., New York 7, N. Y.

9 S. CLINTON ST., CHICAGO 6 1019 ELLIOTT ST., W. WINDSOR, ONT.

Oil, putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
dms., c.l., Whiting, Ind.	gal.	*.24 - —
Boston, Providence	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.20 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1] bulk	lb.	.13 - —
Red,[1] ret. bbls., c.l., dms., dlvd. E. of Rockies	lb.	.13¼- —
W. of Rockies	lb.	.14½- —
Texas and Okla.	lb.	.13½- —
tanks, dlvd. E. of Rockies	lb.	.12¾- —
W. of Rockies	lb.	.13½- —
Texas and Okla.	lb.	.13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies	lb.	.15⅞- —
W. of Rockies	lb.	.16⅜- —
Texas and Okla.	lb.	.16⅜- —
special non-ret, dms., bbls., c.l., dlvd. E. of Rockies	lb.	.16⅜- —
W. of Rockies	lb.	.17⅜- —
Texas and Okla.	lb.	.17⅜- —

Red oil prices for ton lots are ½ cent per pound higher, and 1 cent higher for less than ton lots.

Rose, natural, coppers	oz.	31.25 -45.00
Rosemary, Spanish, tech., cns., dms.	lb.	1.25 - 1.35
USP, cns., dms.	lb.	1.45 - 1.60
Rosin, 1st rectified, dms.	gal.	.66 - —
2nd rectified, dms.	gal.	.68 - —
3rd rectified, dms.	gal.	.72 - —
Rue, bots.	lb.	4.75 - 5.25
Sage, Spanish, cns.	lb.	2.50 - 3.25
Sandalwood, NF, Mysore, cns., case lots.	lb.	9.52 - —
Sardine, crude,[1,7] tanks, Pac. coast	lb.	.069 - —
refined, alkali, dms., l.c.l.	lb.	.1400- —
kettle-bodied, dms., l.c.l.	lb.	.1500- —
light-pressed, dms., l.c.l.	lb.	.1300- —
tanks	lb.	.1225- —
Sassafras, artif., cns.	lb.	.55 - .60
natural, cns., dms.	lb.	2.00 - 2.30
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	8.00 - —
Seal,[1] No. 1, tanks, U.S. ports.	lb.	.069 - —
Sesame,[1,7] tanks	lb.	.1450- —
Shingle stain, bbls., c.l., works.	gal.	.2185- —
l.c.l., works	gal.	.23 - .29
tanks, works	gal.	.15 - .16
Snakeroot, Canada, cns.	lb.	No stocks
Soybean,[1,7] clarified, dms.	lb.	.1296- .1335
tanks	lb.	.1250- —
crude, tanks, Decatur	lb.	.1175- —
deod., Winter, tanks	lb.	.1393- —
ret. dms.	lb.	.1500- .1540
foots, acid, 95%, tanks, dlvd. E.	lb.	.07¼- —
raw, 50%, tanks, dlvd. E.	lb.	.03½- —
refd., varnish, dms.	lb.	.1380- .1400
tanks	lb.	.1340- .1347
Spearmint, dms.	lb.	4.00 - 4.25
Sperm, bleached, 35°, dms.	lb.	.1443- —
natural, 45°, dms.	lb.	.1310- —
Spruce,[1] cns., dms.	lb.	2.55 - 2.75
Sunflower,[7] imp., refined, tanks,	lb.	.1438- —
semi-refined, tanks	lb.	.1430- —
Sweet birch, North, cns.	lb.	5.00 - 5.35
South, cns.	lb.	2.50 - 2.75
Tall,[1] crude, dms., c.l., works,	ton.	53.63 -55.00
l.c.l., works	ton.	58.63 -63.63
tanks, works	ton.	49.00 -45.00
refined, dms., c.l., works.	lb.	.05 - .05¼
l.c.l., works	lb.	.05½- —
tanks, works	lb.	.04½- —
Tallow, acidless, bbls.	lb.	.14¼- —
tanks	lb.	.13⅝- —
Tansy, cns.	lb.	No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities	gal.	.32½- —
l.c.l., works	gal.	.29½- —
tanks, dlvd. E. cities	gal.	.27 - —
rectified, USP, bbls.	gal.	.60½- —
Tar acid (see T).		
Thyme, NF, red, cns.	lb.	2.60 - 3.05
white, cns.	lb.	2.85 - 3.65
Tung,[1] dms., c.l.	lb.	.39 - .39½
l.c.l.	lb.	.40 - .41
tanks	lb.	.38¼- —
Turkey red (see Oil, castor, sulphonated).		
Turpentine, rectified, USP, cns., dms.	lb.	.27 - .29
Vetiver, Bourbon, cns.	lb.	37.00 -40.00
Whale,[1] ref., natural, dms.	lb.	.1187 Nom.
Winter bleached, dms.	lb.	.1232 Nom.
Wheat germ, dms.	gal.	10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l.	gal.	.34 - —
l.c.l.	gal.	.37 - .41
65-75 vis., dms., dms. incl., c.l.	gal.	.35 - —
l.c.l.	gal.	.38 - .42
USP, 80/90 vis., dms., dms. incl., c.l.	gal.	.37 - —
l.c.l.	gal.	.40 - .44
125/135 vis., dms., dms. incl., c.l.	gal.	.46 - —
l.c.l.	gal.	.49 - .53
145/155 vis., dms., dms. incl., c.l.	gal.	.48 - —
l.c.l.	gal.	.51 - .55
175/185 vis., dms., dms. incl., c.l.	gal.	.50 - —
l.c.l.	gal.	.53 - .57
200/210 vis., dms., dms. incl., c.l.	gal.	.54 - —
l.c.l.	gal.	.57 - .61
335/345 vis., dms., dms. incl., c.l.	gal.	.62 - —
l.c.l.	gal.	.65 - .69
55, 70 and 85 vis., non-ret. dms., San Francisco	gal.	.42 - —
smaller lots, same basis	gal.	.44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco	gal.	.51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis	gal.	.53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco	gal.	.59 - —
smaller lots, same basis	gal.	.61 - .64
180 vis., non-ret., dms., 65 dms., San Francisco	gal.	.62½- —
smaller lots, same basis	gal.	.64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco	gal.	.74 - —
smaller lots, same basis	gal.	.76 - .79
Wintergreen, natural, North, cns.	lb.	5.50 - 7.00
South, cns.	lb.	3.65 - 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, tung).		
Wormseed,[8] cns.	lb.	5.00 - 5.15
Wormwood, cns	lb.	4.85 - 5.50
Ylang-ylang, Bourbon, extra, bots.	lb.	21.00 -24.50
First, bots.	lb.	19.50 - —
Second, bots.	lb.	14.50 - —
Third, bots.	lb.	8.00 - 9.50
Oleostearin,[1,7] dms., Chicago	lb.	.1061- —
Olivine, aggregate, c.l., mines	ton.	7.00 - 9.50
crushed, 3 mesh, bulk, c.l., works	ton.	8.00 - —
paper bgs., c.l., works	ton.	9.50 - —
lumps, paper bgs., c.l., works,	ton.	7.00 - —
spalls, paper bgs., c.l., works,	ton.	8.00 - —
Opium gum, USP, cns., 50-lb. lots,	lb.	13.00 - —
25-lb. lots	lb.	13.25 - —
smaller lots	lb.	13.50 -13.65

Prices on powd. and gran. USP opium are $1.50 per pound higher.

Orange, cadmium, selenide, bbls., 100-lb. lots, works	lb.	1.50 - —
Dinitroaniline, toner[5]	lb.	1.05 - —
Molybdate,[5] bbls.	lb.	.41 - —
Orthonitroaniline toner,[5] bbls., kgs., works	lb.	.80 - 1.05
Persian,[5] bbls.	lb.	.30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼- —
dlvd. Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo.	lb.	.12½- —
other points	lb.	.12 - —
smaller lots, Ala., etc.	lb.	.12¾- —
Ariz., etc.	lb.	.13¼- —
Colo., Mont., N. M., Wyo.	lb.	.13 - —
other points	lb.	.12½- —
Orange peel, bitter, Haitian, bgs.,	lb.	.13¼- .14
sweet, bls.	lb.	.14 - .14¼
Oregano, Mexican, curly leaf, ogs.	lb.	.08½- .09
flat leaf, bgs.	lb.	.08½- .09½
Orris root, Florentine, bls.	lb.	.55 - .58
Verona, bls.	lb.	No stocks
Portuguese, bls.	lb.	.43 - .46
Orthoamylphenol, dms., works.	lb.	.25 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniline, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works.	lb.	.17½- .18
l.c.l., works.	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works.	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies,	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06½- —

Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.

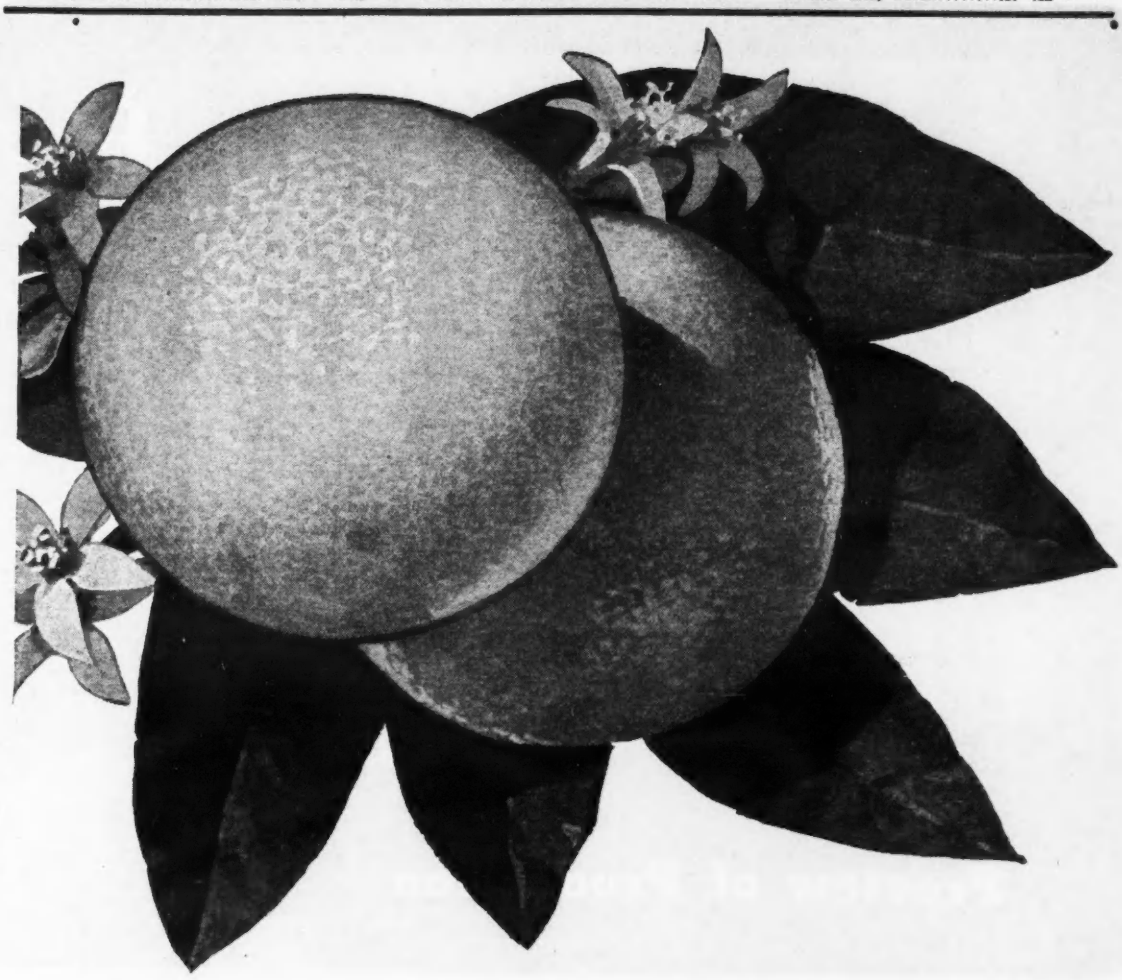
Orthonitroaniline, dms.	lb.	.43 - .50
Orthonitrobiphenyl, tech., grade A., dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works.	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitrochlorobenzene, dms.	lb.	.18 - .18
Orthonitroparachlorophenol, cns.,	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.82 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange crystals, bbls.	lb.	.23 - —
Extract, No. 1, bbls.	lb.	.11 - —
No. 2, bbls.	lb.	.10 - —
Ouabaine, USP, bots.	gram.	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50 - —
smaller lots, works	lb.	3.75 - 4.15

P

Papain, powd., cs.	lb.	4.25 - 4.80
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00 - —
smaller lots.	oz.	7.05 - 7.85
Paprika,[1] Calif., sweet Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.39½- .36
Portuguese, bgs.	lb.	.39 - .43
Spanish, bgs.	lb.	.45 - .46½
Para-anisidin, dms., works.	lb.	.75 - —
Parachlorophenol, dms., c.l., wks.	lb.	.34 - —
l.c.l., same basis.	lb.	.35 - .37
Paracresol, bbls., works.	lb.	.41 - —
Paracymene, dms., c.l., works.	lb.	.1505- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works.	lb.	.11 - .12
l.c.l., same basis	lb.	.12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05 - —
120-122 ASTM, refinery.	lb.	.0520- —
122-124 ASTM, refinery.	lb.	.0530- —
126-127 ASTM, refinery.	lb.	.0560- —
127-129 ASTM, refinery.	lb.	.0585- —
128-130 ASTM, refinery.	lb.	.0585- —
130-132 ASTM, refinery.	lb.	.0615- —
132-134 ASTM, refinery.	lb.	.0640- —
135-137 ASTM, refinery.	lb.	.0715- —
140-142 ASTM, refinery.	lb.	.0810- —
146-148 ASTM, refinery.	lb.	.1050- —

Prices in bags 4/10c. per lb. higher.

Paraformaldehyde, dms., 1,000 lbs. or more, works.	lb.	.21 - —
smaller lots, works.	lb.	.22 - —



You can't afford *not* to use it!

The flavor you put in your product is the *decisive ingredient*. For flavor is what the consumer buys. He judges *quality* by *taste*.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil. That's why more leading American manufacturers use it.

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Producing Plant:
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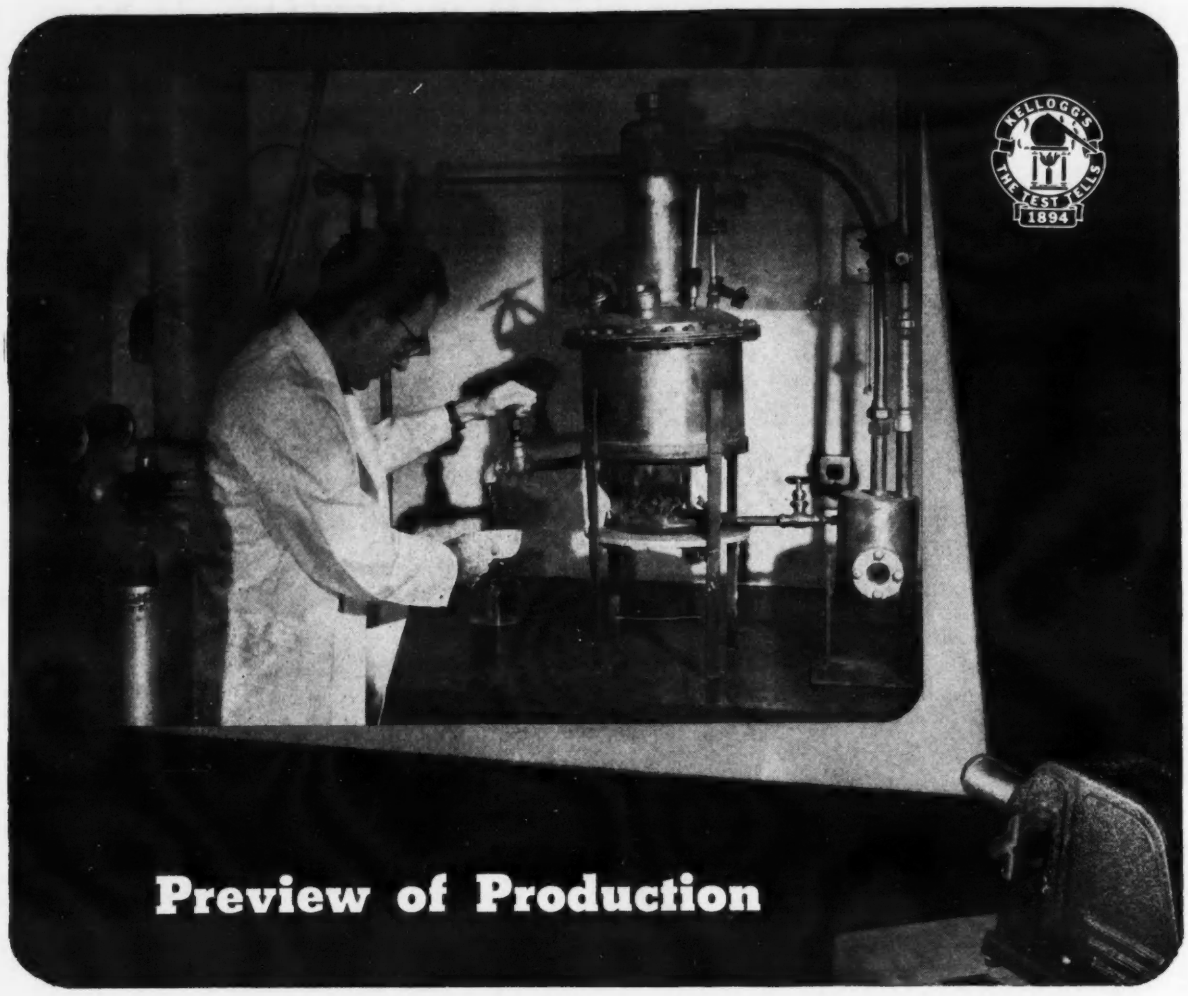
Exchange
OIL OF
ORANGE
U. S. P.

Paraldehyde, tech., 96%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
10-gal. dms., works	lb.	.15 - —
USP, cbys., cns.	lb.	.35 - .45
Paranitroaniliu, kgs., works	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitretoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	2.00 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 - .27
l.c.l., same basis	lb.	.22 - .28
Passion flower herb, bls.	lb.	.22 - .24
Patchouli leaves, bls.	lb.	.34 - .36
Pectin, bbls.	lb.	1.25 - —
Penicillin,[4,6] ampule, per 100,000 unit.		.55 - .95
Pennyroyal leaves, bls.	lb.	.16 - .19
Pentachlorophenol, dms., works,	lb.	.20 - .25
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3	gal.	.11 - —
l.c.l., dms., Group 3	gal.	.19 - —
Industrial grade, tanks, Group 3	gal.	.07½- .07½
laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Pepper, black,[1,7] 15 tons, bgs.	lb.	.10 - —
50 to 100 bgs.	lb.	.1050- —
4 to 24 bgs.	lb.	.1100- —
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	No stocks
sports, old crop, bgs.	lb.	No stocks
Louisiana, sports, bgs.	lb.	No stocks
long, new crop, bgs., ship't point.	lb.	No stocks
Chillies, bgs.	lb.	No stocks
White,[1,7] bgs., 15 tons	lb.	.1161 Nom.
24 bgs.	lb.	.1295 Nom.
Peppermint, dom., USP, bls.	lb.	.85 - .90
imported, bls.	lb.	.90 Nom
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0782- .0800
Zone 2, same basis	lb.	.0832- .0850
Zone 3, same basis	lb.	.0882- .0900
Zone 4, same basis	lb.	.0876- .0900
l.c.l., Zone 1, same basis	lb.	.0832- .0850
Zone 2, same basis	lb.	.0882- .0900
Zone 3, same basis	lb.	.0932- .0950
Zone 4, same basis	lb.	.0926- .0954
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.		
Peru balsam, dms.	lb.	1.10 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021 - —
golden topaz, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
Petrolatum, USP, amber, non-ret. dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
extra amber, dms., c.l.	lb.	.03¾- —
l.c.l.	lb.	.04¾- —
cream, c.l., dms.	lb.	.05 - —
l.c.l.	lb.	.06½- —
yellow, soft, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.04½- —
white, lily, dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.07¼- —
snow, dms., c.l.	lb.	.06½- —
l.c.l.	lb.	.08 - —
soft, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.06½- —
Petroleum, crude, tar, at wells, California, heavy grades.	bbl.	.93 - 1.01
Illinois	bbl.	1.37 -
Kentucky, Union County.	bbl.	1.32 - 1.37
Louisiana-Arkansas	bbl.	.86 - 1.20
Oklahoma-Kansas	bbl.	.85 - 1.25
Pennsylvania	bbl.	1.31 - 3.00
Texas, Gulf coast	bbl.	1.06 - 1.86
North, North-Central.	bbl.	1.01 - 1.25
Panhandle	bbl.	1.16 - 1.22
West	bbl.	.70 - 1.12
Wyoming	bbl.	1.12 - —
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E.	gal.	.55 - —
30°-60° C., dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
35°-60° C., 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	16 - —
l.c.l., Group 3	gal.	.29 - —
Petroleum ether, laboratory grade, 40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 2.	gal.	.04½- —
No. 3	gal.	.04 - —
Bayonne, No. 2, tanks,	gal.	.057 - —
California, heavy	bbl.	1.10 - —
light	bbl.	1.20 - —
diesel	gal.	.04 - —
range	gal.	.05 - —
Group 3, No. 1	gal.	.04¾- —
No. 2, straw	gal.	.04½- —
No. 3	gal.	.04 - —
range	gal.	.04 - .04½
Kansas, No. 6	bbl.	1.02 - —
Oklahoma, No. 1, p.w.	gal.	.04¾- —
No. 1, straw	gal.	.04½- —
No. 2, straw	gal.	.04¾- —
No. 3	gal.	.04 - —
No. 6	bbl.	.90 - .97
range	gal.	.04½- —
Pennsylvania, No. 1.	gal.	.06925- .0705
No. 2	gal.	.06375- .0675
No. 3	gal.	.06375- .0675
36-40 gravity	gal.	.0625- .0675
bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.71 - —
Baltimore, Md.	bbl.	1.51 - —
Boston, Mass.	bbl.	1.555 - —
Charleston, S. C.	bbl.	1.42 - —
Fall River, Mass.	bbl.	1.525 - —
Jacksonville, Fla.	bbl.	1.42 - —
New Haven, Conn.	bbl.	1.525 - —
New York, N. Y.	bbl.	1.51 - —
Norfolk, Va.	bbl.	1.47 - —
Philadelphia, Pa.	bbl.	1.51 - —
Portland, Me.	bbl.	1.555 - —
Portsmouth, N. H.	bbl.	1.555 - —
Providence, R. I.	bbl.	1.525 - —
Savannah, Ga.	bbl.	1.42 - —
Tiverton, R. I.	bbl.	1.525 - —
Wilmington, N. C.	bbl.	1.42 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11 - —
Fort Wells, Wash.	gal.	.12 - —
San Francisco	gal.	.11½- —
Willbridge, Ore.	gal.	.12 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11½- —
Group 3, benzol type, tanks.	gal.	.07¾- —
toluol type, tanks.	gal.	.07⅝- —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks.	gal.	.10¼- —
198-290 b.r., tanks.	gal.	.10¼- —
246-397 b.r., tanks.	gal.	.10½- —
312-408 b.r., tanks.	gal.	.09 - —
362-458 b.r., tanks.	gal.	.09 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.10 - —
Group 3, tanks, refinery.	gal.	.06½- .06½
Gulf coast, tanks.	gal.	.06½- —
tankwagons, Baltimore.	gal.	.1240- —
Boston	gal.	.12 - —
Bridgeport, Conn.	gal.	.1430- —
Buffalo	gal.	.1240- —
Camden, N. J.	gal.	.11 - —
Chicago	gal.	.1150- —
Detroit	gal.	.1380- —
Hartford	gal.	.1430- —
Kansas City, Mo.	gal.	.1280- —
Lancaster, Pa.	gal.	.12 - —
Milwaukee	gal.	.1240- —
Minneapolis	gal.	.1220- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.125 - —
Providence	gal.	.13 - —
Rochester	gal.	.1320- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Washington, D. C.	gal.	.135 - —
Wilmington, Del.	gal.	.11 - —
Naphtha, cleaners, California, tanks, San Francisco.	gal.	.12 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11 - —
Group 3, tanks, refinery,	gal.	.07½- .07½
tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 8, over 76% arom., tanks.	gal.	.225 - —
No. 80, tanks, frt. alld.	gal.	.2206- —
No. 40, tanks, Wilmington, Cal.	gal.	.13½- —
No. A-80, tanks, Carteret, N. J.	gal.	.21¼- —
Cincinnati, Chicago, Detroit.	gal.	.23 - —
No. B-90, tanks, all shipping points.	gal.	.24½- —
No. F-80, tanks, Carteret, N. J.	gal.	.23 - —
V.M.&P., at refinery, California, 46.5 254 i.p.b., 380 e.p., tanks, El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.10 - —
San Francisco	gal.	.10¼- —
Portland, Seattle.	gal.	.11 - —
Group 3, tanks	lb.	.07¼- .07½
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1580- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber, at refinery, California, San Francisco.	gal.	.25½- —
East Coast, N. J., N. Y., tanks.	gal.	.11 - —
Group 3, tanks	gal.	.07¼- .07½
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.11 - —
East Coast, N. J., N. Y. tanks.	gal.	.10 - —



Preview of Production

● TODAY'S big accomplishments start in the research laboratory. But even after the discovery of a most valuable principle there is a long period of experiment necessary before it can become the basis of commercial production.

Every one of the new Kellogg Special Oils has gone thru this trial period. In the Kellogg Research Laboratories themselves there are several stages of experimentation from the test tube and laboratory apparatus scale up to trials in pilot plants under all conditions affecting the product.

After such testing comes experimentation and comparison of properties on the basis of full plant scale operations. The records of all this work constitute a most valuable body of knowledge.

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SPENCER KELLOGG and Sons, Inc.
BUFFALO 5, N. Y.

THE FIRST NAME IN VEGETABLE OILS

Petroleum solvent, Stoddard (CS 8-33), at refinery, Group 3, tanks..gal.	.06⅝-	—
Pennsylvania, western, tanks..gal.	.07¼-	.07⅛
tankwagon, Baltimore...gal.	.13 -	—
Boston .....gal.	.12 -	—
Chicago .....gal.	.13½-	—
Detroit .....gal.	.1560-	—
Milwaukee .....gal.	.1440-	—
Minneapolis .....gal.	.1420-	—
Newark .....gal.	.11 -	—
New York.....gal.	.11 -	—
Philadelphia .....gal.	.11 -	—
Pittsburgh .....gal.	.12½-	—
St. Louis.....gal.	.1370-	—
Syracuse .....gal.	.14 -	—
Toluol, tanks, dlvd. E....gal.	.27 -	—
Xylol, tanks, dlvd. E....gal.	.26 -	—
Sulphonates, 65% sulphonic content, ret. dms., c.l., works.lb.	.09⅝-	—
l.c.l., works.....lb.	.09⅝-	.10⅛
tanks, works.....lb.	.09⅛-	—
50% sulphonic content, ret. dms., c.l., works..lb.	.09⅝-	—
l.c.l., works.....lb.	.09⅝-	.10⅛
tanks, works.....lb.	.09⅛-	—
Phenobarbital, cns.....lb.	3.60 -	3.70
dms., 100 lbs.....lb.	3.50 -	—
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb.	.10 -	—
l.c.l., same basis.....lb.	.10⅝-	—
tanks, same basis.....lb.	.09 -	—
83-84% (cresol, 16-18%), dms., c.l., same basis..lb.	.09⅝-	.10⅛
l.c.l., same basis.....lb.	.10⅛-	—
tanks, same basis.....lb.	.08⅝-	.09⅛
USP, dms., c.l., same basis..lb.	.10⅛-	—
l.c.l., same basis.....lb.	.11⅛-	—
tanks, same basis.....lb.	.09⅛-	—
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb.	85 -	—
smaller lots.....lb.	.87 -	.92
Yellow, fib. dms., 2,000 lbs..lb.	.80 -	—
smaller lots.....lb.	.82 -	.87
Phenothiazin, NF, fib. dms., 2,000 lbs..lb.	.49 -	—
smaller lots.....lb.	.54 -	—
Phenylacetaldehyde, solut., 50%, bots..lb.	2.45 -	2.50
100%, bots.....lb.	4.00 -	5.00
Phenylethyl acetate, dms.....lb.	3.30 -	3.35
Phenylethylphenyl acetate, bots., lb.	4.75 -	4.80
Phenylhydrazin, base, CP, bots.lb.	4.55 -	—
Hydrochloride, CP, bots., works, lb.	7.10 -	—
commercial, kgs., works...lb.	1.75 -	—
Phloroglucinol, CP., fib., dms..lb.	13.75 -	14.75
tech., fib. dms.....lb.	12.00 -	12.50
Phosgene, ton lots, works....lb.	.19 -	—
Phosphate, defluorinated (see under D).		
Phosphate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton.	2.20 -	—
70%-68%, same basis.. long ton.	2.60 -	—
72%-70%, b.p.l., same basis..long ton.	3.20 -	—
75%-74%, b.p.l., same basis..long ton.	4.20 -	—
77%-76%, b.p.l., same basis..long ton.	5.20 -	—
entirely pebble, 50c. per ton higher than above prices.		
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.... short ton.	3.15 -	—
68%, basis 31% P_2O_5 minimum..short ton.	3.35 -	—
70%, basis 32% P_2O_5 minimum..short ton.	3.70 -	—
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% i. & a., same basis..long ton.	5.30 -	—
72%-70% b.p.l., 5½% i. & a., same basis.long ton.	5.80 -	—
refinery, ground, 29% P_2O_5, same basis..long ton.	4.95 -	—
30%, P_2O_5, same basis.... long ton.	5.15 -	—
31%, P_2O_5, same basis.... short ton.	5.25 -	—
32%, P_2O_5, same basis.... short ton.	5.50 -	—
33%, P_2O_5, same basis.... short ton.	6.00 -	—
Phosphorus, red, amorphous, cs. lb.	.40 -	.44
tins, export.....lb.	.55 -	—
yellow, cns.....lb.	.23 -	.25
dms., c.l.....lb.	.14½-	—
Oxychloride, dms., c.l.....lb.	.10½-	—
l.c.l., dms.....lb.	.12½-	.15
Phosphorus, pentoxide, dms., c.l., works..lb.	.11 -	.12
l.c.l., works.....lb.	.13 -	.14
Sesquisulphide, cs.....lb.	.38 -	.42
Trichloride, dms., c.l.....lb.	.10½-	—
l.c.l. .....lb.	.12½-	.15
Phthalamide, bbls., works.....lb.	.35 -	.40
kgs., works.....lb.	.45 -	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb.	.13 -	—
l.c.l., same basis.....lb.	.14 -	—
Pichi leaves, bgs.....lb.	.07 -	.08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots.....oz.	3.00 -	—
Pilocarpine hydrochloride, USP, bots., vis..oz.	3.75 -	5.10
Nitrate, bots., vis.....oz.	3.65 -	5.00
Pimento,[2] Jamaica, bgs.....lb.	.23 -	.23½
Pinetar, retort, dms., incl., c.l., works..gal.	.31 -	—
l.c.l., works, dms. incl..gal.	.32 -	—
tanks, dlvd. E.....gal.	.27 -	—
Pinkroot, bls.....lb.	1.10 -	1.15
Piperazine hexahydrate, bots..lb.	16.00 -	—
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works..ton.	19.00 -	—
l.c.l., works.....ton.	22.00 -	—
Cottonseed, dms., works.....lb.	.04 -	.06
Hardwood, paper bgs., works.lb.	.03½-	—
Linseed, dms.....lb.	.05 -	.05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms.....100 lbs.	6.50 -	—
stands, 200 lbs.....stand.	6.00 -	—
Soybean, dms., works.....lb.	.04 -	.06
Plaster of paris (see Gypsum).		
Podophyllin, dms.....lb.	8.75 -	9.00
Pokeroot, bls.....lb.	.19 -	.20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb.	.32 -	—
20,000 lbs., frt. alld.....lb.	.33 -	—
smaller lots, frt. alld....lb.	.34 -	.36
Water-clear, polystyrene, 7c. per lb. less than plain colors.		
Pomegranate, root bark, bgs...lb.	.75 -	.76
Poppy flowers, bls.....lb.	.60 -	.70
Seed, Danish, bgs.....lb.	.38 -	.38½
Domestic, blue, bgs.....lb.	No stocks	
Dutch .....lb.	.39½-	.40
Indian, white, bgs.....lb.	No stocks	
Swedish, bgs.....lb.	.37 -	.37½

Potash abietate.....lb.	.08 -	—
Arsenate, USP, solut., cbys., cns. .....lb.	.31 -	.35
Arsenite, USP, solut., cbys., djns..lb.	.13 -	.16
Bicarbonate, USP, cryst., gran., bbls., dms..lb.	.10 -	.21
Bichromate,[3] bgs., c.l., works. lb.	.10 -	—
l.c.l., works.....lb.	.10⅛-	.10⅝
Potash bichromate in bbls. ½c. higher.		
Borate, gran., bbls., N. Y. or Chi..lb.	.1015-	—
Bromide, USP, gran., 500-lb. bbls., dms..lb.	.23 -	—
100-lb. kgs.....lb.	.26 -	—
Carbonate, cal., bbls., c.l., works..lb.	.06½-	—
l.c.l., same basis.....lb.	.06⅝-	—
hydrated, 83-85%, bbls., c.l., works..lb.	.06½-	—
dms., l.c.l., same basis..lb.	.06⅝-	—
USP, gran., bbls., dms....lb.	.14 -	.20
powd., bbls., dms.....lbs.	.19 -	.21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works..... 100 lbs.	9.31 -	—
l.c.l., works....100 lbs.	9.68½-	—
90% basis, liquid, dms., c.l., works..100 lbs.	8.56 -	—
l.c.l., works....100 lbs.	8.68½-	—
tanks, works.....100 lbs.	8.06 -	—
solid, dms., c.l., works.. l.c.l., works....100 lbs.	8.93½-	—
regular, flake, 88-92%, dms., c.l., works..lb.	.07 -	—
l.c.l., works.....lb.	.07¼-	.07⅛

Potash, caustic, liquid, 45% basis, dms., c.l., works, frt. alld..lb.	.03½-	—
l.c.l., same basis....lb.	.03⅝-	.03⅞
tanks, same basis....lb.	.02⅝-	—
solid, 88-92% dms., c.l., works..lb.	.06½-	—
l.c.l. .....lb.	.06½-	.06⅝
Chromate, bgs.....lb.	.24 -	.28
Chlorate,[4] cryst., kgs., c.l., works..lb.	.11 -	.11⅝
l.c.l., works.....lb.	.119 -	.13
powd., dms., kgs., c.l., works. lb.	.09⅝-	—
l.c.l., works.....lb.	.119 -	.13
export, 1 to 10 tons, kgs., ex whse..lb.	.14 -	.18
Chloride, tech., cryst., 96%, bgs., kgs..lb.	.08	Nom.
Citrate, USP, gran., bbls., dms., lb.	.33½-	.38½
powd., 3c. per lb. higher.		
Cyanide, dms., works.....lb.	.55 -	—
Fluoride, bbls.....lb.	.34 -	.40
Glycerophosphate, 75% s o l., cns., cbys..lb.	1.65 -	1.67
dms., 1,000-lb. lots.....lb.	1.50 -	—
100-lb. lots.....lb.	1.60 -	—
Guaiacolsulphonate, NF, dms.lb.	1.65 -	1.85
Hydroxide, USP, sticks, dms.lb.	.34 -	.36
Hypophosphite, cns.....lb.	.72 -	.77
Iodate, bots., 5 lbs.....lb.	3.46 -	—
cns., 25 lbs.....lb.	3.35 -	—
Iodide, bots., cns.....lb.	1.44 -	1.48
dms. .....lb.	1.35 -	1.38
Manure Salt, 22% K_2O, Carlsbad, N. M..unit-ton.	.20 -	—
25% K_2O, same basis..... unit-ton.	.21 -	—

Potash, metabisulphite, gran., bbls..lb.	.19 -	.21
powd., bbls.....lb.	.25 -	—
Muriate, dom., 90-62-63%, K_2O, bulk, ex vessel, ports..... unit-ton.	.53½-	—
granular, 50 - 52% K_2O.... unit-ton.	.53½-	—
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.		
Nitrate (see Saltpeter).		
Oxalate, neutral pure, gran., bbls., dms..lb.	.37 -	.50
tech. fine gran., bbls., dms. lb.	.28 -	.31
Perchlorate, kgs., works....lb.	.09⅝-	.11
Permanganate, tech., dms., works..lb.	.19⅝-	.20⅛
USP, dms., works.....lb.	.20½-	.21
Persulphate, dms., c.l., works, lb.	.16 -	—
l.c.l., same basis.....lb.	.20 -	—
Prussiate, red, kgs.....lb.	.50 -	.53
Yellow, bbls.....lb.	.16 -	.17
Ricinoleate, tech., bbls.....lb.	.18 -	—
Silicate, glass, bgs., c.l., wks. ton.	200.00 -	—
l.c.l. .....100 lbs.	15.25 -	—
solution, 29° Be, rst. drums, c.l., works..100 lbs.	4.25 -	—
l.c.l., 5 or more, works. 100 lbs.	5.00 -	—
1-4, works.....100 lbs.	5.50 -	—

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Potash silicate, solut., 32° Be, ret. dms., c.l., works... 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel, Atl. or Gulf ports.. ton.34.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Thiocyanate, bbls.....lb. .62 - .65
kgs.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works...oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .48
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .60 - .61
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .68
Pumice,[1] grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
Pumice, grd., coarse, 0-¼, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. No stocks
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, de-waxed, 20% for aerosol bombs, dms., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 7.15 - —
odorless base, dms., works, gal. 7.25 - —
(30 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis.....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks.lb. .14 - —
translucent pastels, cs., works..lb. .17 - —
transparent, cs., works.....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb. .05½- .05¾
clarified, 64%, bgs., c.l., same basis..lb. .06½- .06¾
dissolved, 35%, tan., bbls., works..lb. .04375- .0525
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .069 - —
l.c.l. bgs.....lb. .0915- —
Queen of the meadow root, bgs. lb. .11 - .12
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver, flasks (76 lbs. net).. flask.102.00 -107.00
Quince seed, bgs.....lb. 1.50 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.. oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.. oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs...oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .24½- .29

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.80
Red, alizarin lake, bbls., dlvd N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Duluth, Superior, Rock Island, St. Louis...lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¾c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.60 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis.....lb. 2.30 - —
Orange (see Orange).
Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, sealtar).
Eosin toner, bbls., works....lb. 1.85 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y...lb. .09½- —
80-85%, bbls., same basis.lb. .09¾- —
imp., English, all shades..lb. .13 - —
Iron oxide, pure, bbls.....lb. .09 - .09¼
reduced, 8% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., wks. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .90 - —
Pink, bbls., works.....lb. .90 - .95
Rose lake, bbls., works...lb. .95 - .98
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.30 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots, works.....lb. 2.02 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works lb. .35 Nom.
Spanish oxide, grade 1, c.l., bbls., works..lb. .04½- .07½
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .029¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0300- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .60
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., flb. dms..lb. 2.17 - 2.19
Red saunders wood grd., bbls.lb. .25 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms. frt. alld. lb 1.60
Rhatany root, bgs.....lb. .15 - .16
Rhubarb, whole, cs.....lb. .60 - .70
powd., bbls.....lb. .70 - .80
Riboflavin, bots.....kilo.260.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .19 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - .42
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13½- .14½
Resin, gum,[1,7]—
B, dms., c.l.....100 lbs. 6.65 - —
D, dms., c.l.....100 lbs. 6.75 - —
E, dms., c.l.....100 lbs. 7.25 - —
F, dms., c.l.....100 lbs. 7.35 - —
G, dms., c.l.....100 lbs. 7.42 - —
H, dms., c.l.....100 lbs. 7.44 - —
I, dms., c.l.....100 lbs. 7.44 - —
K, dms., c.l.....100 lbs. 7.48 - —
M, dms., c.l.....100 lbs. 7.50 - —
N, dms., c.l.....100 lbs. 7.66 - —
W G., dms., c.l.....100 lbs. 7.91 - —
W.W., dms., c.l.....100 lbs. 8.18 - —
X, dms., c.l.....100 lbs. 8.18 - —
Wood,[1,7] B (resin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works... 100 lbs. 5.40 - —
Rotenone,[1] bbls., works.....lb.10.90 -12.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.00 - —
l.c.l., mines.....ton.27.50 - —
Rue, bls.....lb. .42 - .50

S

Sabadilla seed, powd., bbls....lb. .45 - .48
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Persian tins.....lb.40.00 - —
Spanish, NF, tins.....lb.41.00 -42.00
Safrol, cns.....lb. .30 - .32
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .30 - .31
Dalmatian-type, No. 1, bgs., Pacific coast..lb. .26 - .27
Cyprus, good, bls.....lb. .26 - .26½
fair, bls., futures.....lb. .18½- .19
Greek, bls.....lb. .22 - .23½
Mexican, bls.....lb. .14 - .16½
Spanish, bls.....lb. .15 - .15½
Washington, Dalmatian-type, bls..lb. .60 Nom.
Sage flour, bgs.....lb. .05 - .05½
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., bgs.....lb. .90 - —
flb. dms.....lb. .92 - .93
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.30 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l.....ton.19.60 -20.20
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome salts).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 6.20 - —
smaller lots.....100 lbs. 6.35 - 6.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots.....oz. 2.75 - —
Santonin, cryst., powd., cns.kilo.170.00-185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .32 - .33
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Calif., bls.....lb. .75 - .78
Spanish, bls.....lb. .22½- .23
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega rpot, bls.....lb. 2.45 - 2.50
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls.....lb. .15 - .15½
3, bls.....lb. .14 - .15
powd., bbls., bgs.....lb. .15 - .17
Poda, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.50 - 1.60
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .43½- —
Boston.....lb. .43½- —
Chicago.....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lot. lb. .48½- —
Boston.....lb. .49½- —
Chicago.....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¼c. per lb. (2) bbls., 1c. more; (3) kgs., 2c. more.
D. C., V.S.O., Diamond 1, 100 bgs..lb. .4000- —
Garnet, 100 bgs.....lb. .3980- —
Superfine, 100 bgs., Boston, N. Y..lb. .3980- —
Chicago.....lb. .3710- —
Pacific coast.....lb. .3960- —
TN, 100 bgs., Boston, N. Y.lb. .3550- —
Chicago.....lb. .3800- —
Pacific coast.....lb. .3800- —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works.. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis...ton.21.00 - —
400 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh. bgs., c.l., works.....ton.15.50 - —
l.c.l., works.....ton.16.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47½- —
smaller lots.....oz. .47½- .47¾
Neucleinate, USP, bots., dms.. oz. .308 - .328
Proteinate, USP, bots., dms.oz. .288 - .328
Simarubra bark, bls.....lb. .55 - .60
Skullcap, Eastern, bls.....lb. .60 - .65
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .29 - .30
crushed, bls., bbls.....lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls.....lb. No stocks
powd., bbls.....lb. .32 - .33
Soda acetate, anhyd., dms., dlvd. lb. .06½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.80 - 8.00
Antimoniate, bbls., dlvd.....lb. .18 - .19½
Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10½- .11¼
Soda arsenite, gray, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Cal.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 1.18 - —
2.....100 lbs. 1.23 - —
3.....100 lbs. 1.59 - —
4.....100 lbs. 2.08 - —
bbls., c.l., works, Zone 1.. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2.....100 lbs. 1.50 - —
3.....100 lbs. 1.75 - —
4.....100 lbs. 2.15 - —
bulk, c.l., works...100 lbs. .85 - —
extra light, 59%, bgs., c.l. 100 lbs. 1.13 - —
l.c.l., dlvd., zone 1..... 100 lbs. 1.13 - —
2.....100 lbs. 1.23 - —
3.....100 lbs. 1.53 - —
4.....100 lbs. 1.98 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 1.45 - —
2.....100 lbs. 1.60 - —
3.....100 lbs. 1.85 - —
4.....100 lbs. 2.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.10
l.c.l., dlvd., zone 1..... 100 lbs. 1.13 - —
2.....100 lbs. 1.23 - —
3.....100 lbs. 1.53 - —
4.....100 lbs. 1.98 - —
bbls., c.l., works..100 lbs. 1.36 - —
l.c.l., dlvd., zone 1..... 100 lbs. 1.35 - —
2.....100 lbs. 1.50 - —
3.....100 lbs. 1.75 - —
4.....100 lbs. 2.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° (Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l.....100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works, lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate, in bbls. ½c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .13 - .14
kgs., same basis.....lb. .13½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls. c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 9.00 -12.00
Carbonate (see Soda ash, Soda monohydrate Soda salt).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..100 lbs. 2.55 - —
2, dlvd.....100 lbs. 2.70 - 2.85
3, dlvd.....100 lbs. 2.95 - 3.20
4, dlvd.....100 lbs. 4.35 - 4.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.20 - —
l.c.l., Zone 1, dlvd. 100 lbs. 2.13 - —
2, dlvd.....100 lbs. 2.30 - —
3, dlvd.....100 lbs. 2.55 - —
4, dlvd.....100 lbs. 2.95 - —
Caustic soda zones are same as soda ash.
Chlorate, cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06¼- —
powd., kgs., c.l., works....lb. .06¼- —
l.c.l., works.....lb. .07 - .06½
Chloride (see Salt).
Chromate, 1,[6] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equal..lb. .09½- .09¾
Soda chromate in kgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .19½- —
dms.....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¾- —
l.c.l., works.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bbls., c.l., works...lb. .0655- —
l.c.l., works.....lb. .069 - —
Glutamate, monohasic kgs lb. 1.04 - 1.06
Glycerophosphate, NF cryst., bbls..100 lbs. 1.25 - —
dms.....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .32 - .39

Celanese* Chemicals

The Celanese organic phosphates—Lindol and Celluflex—are used extensively as plasticizers in waterproof coatings for vinyl films and other materials.

LINDOL*• LINDOL EP • CELLUFLEX* 179A • 179B • 142 • CELLULUBE* 142

Names that represent a generation of research in organic phosphates

The complete industrial development of the organic phosphates has been the subject of many years research at Celanese. From limited usefulness these hydrocarbon compounds have been elaborated to a point of remarkable versatility and efficiency.

Plasticizers for cellulosic and water-soluble resinous coatings, casein plastics, cable insulation, transparent film coatings and lacquers...high-film-strength lubricants, air conditioning dust adhesives, wetting agents, wire-drawing coolants... water-in-oil and oil-in-water emulsions . . . non-flammable hydraulic fluids number among their important applications.

Behind the all 'round usefulness of the Celanese family of organic phosphates is the horizontal research that accompanies the development of each new Celanese product. In the related fields of textiles, plastics and chemicals, this type of research has found multiplied applications for all of the Celanese "firsts"—from the original cellulose acetate textile yarn to the newly introduced cellulose propionate thermoplastic "FORTICEL†." Celanese Chemical Corporation, a division of Celanese Corporation of America, 180 Madison Avenue, New York 16, N.Y.

PLASTICIZERS

ORGANIC PHOSPHATES

LUBRICANT ADDITIVES

INTERMEDIATES

DYESTUFFS

Celanese Corporation of America • Textiles • Plastics • Chemicals

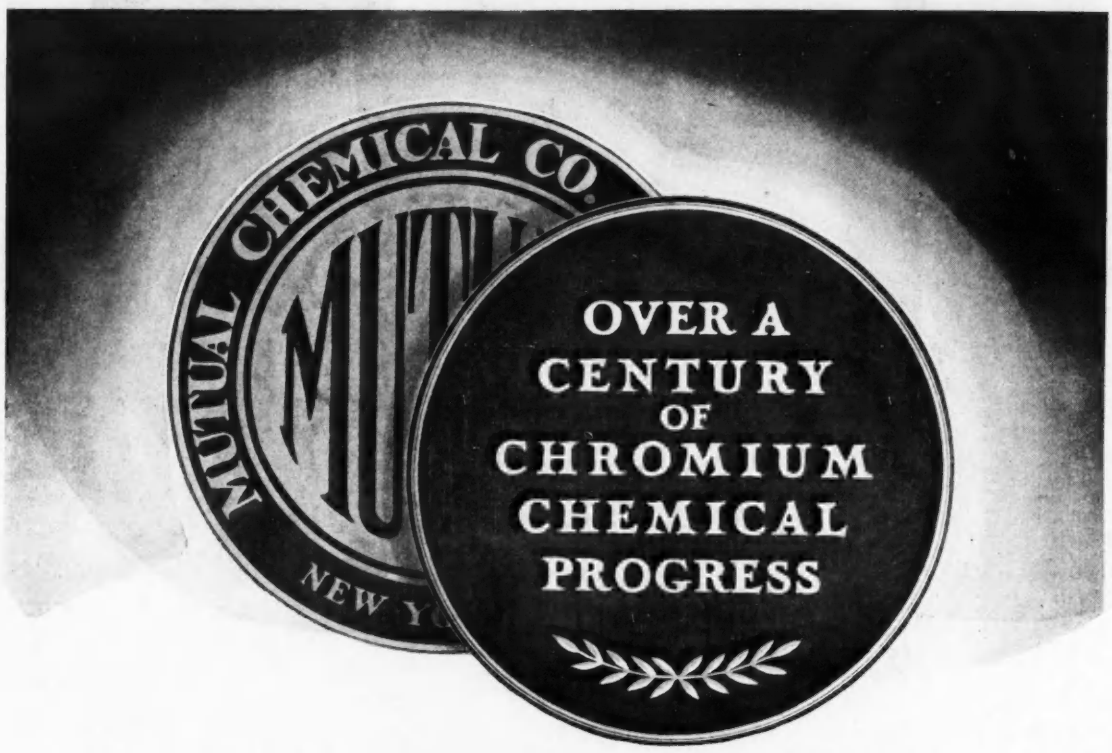
*Reg. U.S. Pat. Off.
†Trademark

Soda hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .26
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs 2.00 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .19 - .13
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.67
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs, c.l., dlvd.....lb .0435- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.20 - 5.20
gran., bbls., c.l, works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works...s.....lb. .45 - .60
Molydbate,[1,6] anhyd., bgs., works..lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.00 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —

Soda nitrate, crude, dms., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald.. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l, works100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l, works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., dlvd., E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs. 6.00 - 6.26
l.c.l., works....100 lbs. 6.40 - 6.75

Soda phosphate, cryst., bgs., c.l., works...100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.20
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs 7.85 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.05
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic).
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.. 100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.25 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Potash sesquisilicate, dms., c.l., works..100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, spot, dms., c.l., works..100 lbs. .89 - —
l.c.l., works.....100 lbs. 1.05 - 1.30
tanks, works.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06½- .07
l.c.l., works.....lb. .06 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 85%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works.....lb. .08 - —
tanks, 100% basis, works. lb. .03¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .23
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.60
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash, dms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Sparteine sulphate, bots., cns..os. 2.25 - 2.95
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .49
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .22 - .32
Chloride, tech., bbls.....lb. .22 - .34
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.00 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.13
Sulphate, nat., air-floated, 325
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Strychnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs. oz. .86 - —
Hypophosphite, cns., 100 ozs.oz. 1.00 - —
Nitrate, NF, cns., 100 ozs..oz. .62 - —
Phosphate, NF, cns., 100 ozs., oz. .89 - —
Strontium sulphate, nat., air-floated, 325 mesh, 90%, bbls., works..ton.58.00 - —
Sulphate, USP, cryst., cns., 100 ozs..oz. .58 - -
powd., cns., 100 ozs.....oz. .48 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms.....lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
lb. dms.....lb. 1.05 - 1.25
Sulphanilamide, 80-90 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms.....lb. 2.50 - 2.60
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35



Beginning Our Second Century of Chromium Chemical Progress

One hundred and one years ago when the predominating features of the sky line of Baltimore were masts and a few steeples, the foundations for the present Mutual Chemical Company of America were being laid there by Isaac Tyson, who built the first chromium chemical plant in this country.

About forty years later Augustus Schultz determined the fundamental principles of two-bath chrome tanning. This process was rapidly adopted, and followed by a one-bath process development.

Since that time interest in chromium chemicals has grown by leaps and bounds until today these compounds play a vital part in industrial life. Important applications include anodizing aluminum, chrome plating, metal cleaning, and corrosion prevention.

Mutual Bichromates are widely used throughout industry. Prompt shipments are made from Mutual's plants or distributors' warehouses.

BICHROMATE OF POTASH • CHROMIC ACID • BICHROMATE OF SODA

MUTUAL CHEMICAL COMPANY OF AMERICA

270 MADISON AVENUE NEW YORK 16, N.Y.

Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .20
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.20 - 3.40
heavy, bgs., c.l., works.. 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
flour, light, bgs., c.l., works, 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., wks. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l. works.....100 lbs. 2.65 - 2.75
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.89
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - —

Chloride, 35-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07¼
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .06 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto., unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .64
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.66 per ton; guaranteed 16%, 19% or 20% a.p.a., ½c. per unit-ton higher.

triple, 40% or more, a.p.a., bulk, producing points, Florida, unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 40% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.20 - 1.30

T

Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09½- —
inedible, extra, loose.....lb. .08½- —
special, loose.....lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .26½- —
l.c.l., works.....gal. .28½- —
25%, dms., c.l., works..gal. .30 - —
l.c.l., works.....gal. .32 - —
Tar, pine (see Pinetar).
Tara,[1] powd., c.l. ex dock, U. S. ports..long ton.118.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms.....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine,[1] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo.100.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —

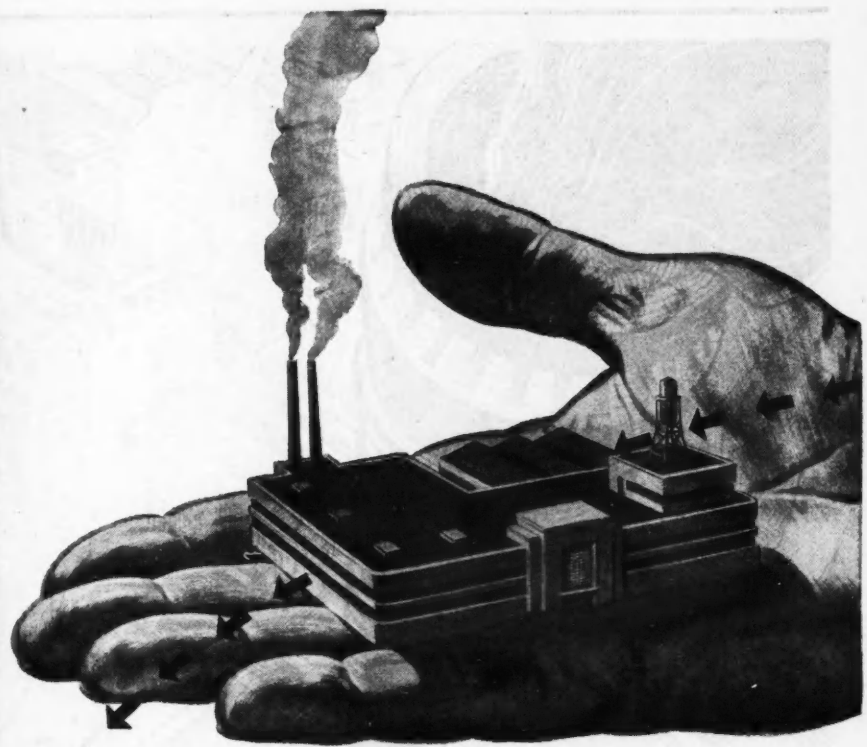
Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .14½- .15
Thymol, ens.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15⅝
nonchalking,[1,4] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd.....lb. .16⅜- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14⅜- .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[1,4] dlvd...lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher: Pac. coast, c.l., dlvd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00

Tolu balsam, cns.....lb. 1.85 - 1.90
Toluidin base, distilled, kgs...lb. .90 - —
Toluene (see Toluol).
Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks.lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —

Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .28 - .30½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%...lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethyloipropane, bbls.....lb. .05 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli,[1] air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —

SOLVAY
HEADQUARTERS
for
ALKALIES and
related products

Soda Ash
Caustic Soda
Special Alkalies and Cleansers
Liquid Chlorine
Calcium Chloride
Potassium Carbonate
Caustic Potash
Sodium Nitrite
Ammonium Chloride
Para-Dichlorobenzene



A Helping Hand for Industry

Available to all industry is the Solvay Technical Service Staff... Comprised of chemists, engineers and technicians with broad, industry-wise knowledge and practical "know-how" experience, this complete corps of specialists offers expert, helpful advice on the use and handling of alkalies and related products.

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Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls., futures..lb. .18 - .18½
Haitian, bls., Miami or New Orleans..lb. .10 Nom.
Madras, bgs.....lb. .17½- .17¾
Turpentine, gum, ret. dms., c.l. gal. .93½- —
l.c.l. .....gal. .94½- —
tanks, Savannah.....gal. .83½- —
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .88
tanks, East.....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.05 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.67.40 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.80 - —
Urea-ammonia liquor (A and B), fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, c.l., ex dock, in bond. lb. .05 - —
Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, Belgian, NF, bls., lb. .59 - .60
Indian, bls.....lb. .52 - .53
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Vinyl ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,5] E. Africa, bgs., f.a.s..ton.53.00 - —
S. Africa, merchandable, bgs., f.a.s..ton.53.00 - —
fair average, bgs., f.a.s..ton.55.50 - —
prime quality, bgs., f.a.s.. ton.58.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05½- .06¼
tanks, works.....lb. .04¾- .05¾
solid, E. Afr., 62% tannin, ex dock..lb. .05595- .05845
S. Afr., 61% tannin, ex dock. lb. .0572- .0597
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs.....lb. .62 - .65
slabs, bgs.....lb. .60 - .62
crude, African, bgs.....lb. .49 - .51
Western hemisphere, bgs.lb. .55 - .57
refined, yellow, brick, bgs.lb. .56 - .58
cakes, cs.....lb. .55 - .57
Candelilla, crude, bgs.....lb. .70 - .72
refined, bags.....lb. .72 - .74
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. No stocks
smaller lots.....lb. 1.28 - 1.30
North Country, No. 2, bgs., ton lots..lb. No stocks
smaller lots.....lb. 1.38 - 1.40
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. 1.32 - 1.35
refined, bgs., ton lots...lb. No stocks
smaller lots.....lb. 1.45 - 1.50
yellow, No. 1, bgs., ton lots. lb. No stocks
smaller lots.....lb. 1.65 - 1.70
No. 2, bgs., ton lots.....lb. No stocks
smaller lots.....lb. 1.65 - —
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12¼- .13½
138°-140° m.p., bgs.....lb. .14 - —
158°-162° m.p., bgs.....lb. .19 - .22
Japan, cs.....lb. No stocks
Micro-crystalline, 170° - 175° m.p., A.S.T.M., amber, ctns., 30 tons, yearly, contract, group 3, works. lb. .14½- —
amber, ctns., smaller lots, same basis.....lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis.. lb. .13 - .13¾
190° - 195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis, lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller bots., same basis, lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. No stocks
Ouricury, crude, bgs., ton lots. lb. 1.05 - 1.10
smaller lots.....lb. 1.10 - 1.15
refined, bgs., ton lots.....lb. 1.20 - 1.25
smaller lots.....lb. 1.25 - 1.30
Powdered ouricury prices same as powdered candelilla.
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .27 - .32
cakes, cs.....lb. .28 - .33
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .14 - .15
Whiting,[1] chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., works, ton. 7.00 - 9.00
wet-grd., air-coated, 350 mesh, 90¼%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99¾%, bgs., c.l., ton. 8.00 - 9.50
99%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .26
Wild indigo root, bls.....lb. .30 - .31
Witch-hazel leaves, bls.....lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 2½c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

Xanthorrhiza bls.....lb. .24 - .28
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .28 - —
West Minnequa, Colo..gal. .26 - —
10°, ret. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Benzidin, bbls., divd.....lb. 1.35 - 2.25

Chemicals FOR INDUSTRY

Stauffer manufactures a long list of industrial chemicals in more than a dozen plants strategically located throughout the United States—chemicals for consumption by every conceivable industry. Wherever your plant is located, Stauffer can supply you promptly and efficiently with industrial chemicals that have proven consistently dependable for over sixty years.

Stauffer CHEMICAL SINCE 1880

STAUFFER PRODUCTS

*Aluminum Sulphate	Citric Acid	Sulphur Chloride
Borax	*Coppers	Sulphuric Acid
Boric Acid	Cream of Tartar	*Superphosphate
Carbon Bisulphide	Muriatic Acid	Tartar Emetic
Carbon Tetrachloride	Nitric Acid	Tartaric Acid
Caustic Soda	Silicon Tetrachloride	Textile Stripper
Chlorine	Sodium Hydrosulphide	Titanium Tetrachloride
	Sulphur	

(*Items marked with star are sold on West Coast only.)

420 Lexington Avenue New York 17, N. Y.
221 N. Lasalle Street Chicago 1, Illinois
636 California Street, San Francisco 8, Cal.
555 South Flower St., Los Angeles 13, Cal.
424 Ohio Bldg., Akron 8, O. — Apopka, Fla.
North Portland, Oregon—Texas as 2 Texas

STAUFFER CHEMICAL COMPANY

Yellow, cadmium, CP, bgs.	lb.	1.25 - 1.40
ton lots, E. of Rockies	lb.	.55 - —
smaller lots, same basis,	lb.	.65 - —
sulphide, orange, cs., kgs., works	lb.	1.10 Nom.
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.16 - —
Chrome yellow prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Dutch, pink, bbls.	lb.	.09 - .11
Hansa, bbls., same basis as chrome	lb.	1.37 - —
primrose, bbls., same basis.	lb.	1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.	lb.	.04½- —
l.c.l., same basis	lb.	.05 - —
synthetic, bbls., c.l., works.	lb.	.0685- —
l.c.l., works	lb.	.0710- —
Mercury oxide, bbls., 1,000 lbs.,	lb.	2.42 - —
smaller lots	lb.	2.45 - —
Ocher American, golden, bbls., works	lb.	.04½- .06¼
yellow, bbls., works	lb.	.02 - .02½
French type, bbls., c.l.	lb.	.0845- —
l.c.l.	lb.	.0965- —
Persian orange (see O).		
Zinc, bbls., same basis as chrome	lb.	.16 - —
Navy spec. type, bbls., contract	lb.	.16 - —
Yellow dock root, bls.	lb.	.85 - .90
Yellow xanthorrhiza (see Xanthorrhiza).		
Yerba santa leaves, bls.	lb.	.21 - .25
Yohimbine hydrochlorides, vis.	oz.	3.60 - 5.75

Z

Zein, bgs., 1,000 lbs., works	lb.	.25 - —
smaller lots, works	lb.	.30 - —
Zinc acetate, tech., bbls., dlvd.	lb.	.16 - .17
USP, bbls.	lb.	.26 - .27
kgs.	lb.	.29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾- .13½
l.c.l., same basis	lb.	.12¾- .13½
Borate, bgs. c.l.	lb.	.12 - —
Carbonate, tech., rubber makers' grade, bbls., works	lb.	.09¾- .10¾
USP, precip., powd., bbls.	lb.	.35 - —
dms.	lb.	.40 - —
kgs.	lb.	.37 - —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 - —
l.c.l., works	100 lbs.	5.35 - —
Zinc chloride, solution, 50%, dms., c.l., works	lb.	.0615- —
l.c.l., works	100 lbs.	6.80 - —
solution, 50%, dms., c.l., works	lb.	.0615- —
l.c.l., works	lb.	.04¼- .04½
tanks, works	lb.	.0250- —
USP, dms.	lb.	.30 - .31
jars	lb.	.35 - .36
Chromate (see Yellow, zinc).		
Cyanide, kgs., works	lb.	.33 - .37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035- —
l.c.l., works	lb.	.1135- —
Fluoride, bbls.	lb.	.25 - .30
Hydrosulphite, dms., works	lb.	.16 - —
Iodide, NF, bots.	lb.	4.66 - 4.75
jars	lb.	4.40 - —
Laurate, bbls.	lb.	.32 - .33
Metal,[1] (quotations in Protective Coatings market).		
Naphthenate, 8%-10% Zn, dms.	lb.	.16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07⅝- —
35% or more, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07¼- —
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
green seal, bgs., c.l., dlvd.	lb.	.09 - —
l.c.l., dlvd.	lb.	.09¼- —
Zinc oxide pigment, dom., French process, com'l., lead-free, white seal, bgs., c.l., dlvd.	lb.	.09½- —
l.c.l., dlvd.	lb.	.09⅝- —
white seal, bgs., c.l., dlvd.	lb.	.09¼- —
l.c.l., dlvd.	lb.	.09⅝- —
USP, ctns., c.l.	lb.	.10¼- —
l.c.l.	lb.	.10⅝- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ½c. higher than bgs.		
Resinate fused, 1% Zn. lump, dms.	lb.	.11 - .12
precipitated, 8.40% to 9% Zn, powd., dms.	lb.	.14½- .15
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 - —
smaller lots, same basis.	lb.	.30 - .31
USP (same prices as tech.).		
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 - —
l.c.l., same basis	100 lbs.	4.15 - —
flake, bgs., c.l., same basis.	100 lbs.	3.80 - —
l.c.l., same basis	100 lbs.	4.55 - —
powd., bgs., c.l., same basis,	100 lbs.	5.35 - —
l.c.l., same basis	100 lbs.	6.10 - —
Zinc sulphate, in bbls., 25c. higher.		
Sulphide,[1] pure, bgs., c.l., dlvd.	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08⅝- —
Barium pigment,[1] bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0565- —
Calcium pigment,[1] bgs., c.l., dlvd.	lb.	.0560- —
l.c.l., dlvd.	lb.	.0565- —
Fluorescent pigment,[1] works, frt. alld.	lb.	.90 - 1.00
Zinc sulphide, magnesium pigment,[1] bgs., c.l., dlvd.	lb.	.05¾- —
l.c.l., dlvd.	lb.	.06 - —
Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.		
Sulphocarbolate, NF, bbls., dms.	lb.	.28 - .30
Tallate, 5% Zn, dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 - —
l.c.l., works	100 lbs.	6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld.	lb.	2.00 - 2.60
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd. E. of Rockies,	lb.	.06¼- —
Pac. cst.	lb.	.06½- —
ex whse., Pac. cst.	lb.	.07 - —
Zirconium hydride, cns., works,	lb.	7.00 - 8.00
Nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 90%, grd., 200 mesh, bbls., c.l., works	ton	95.00 - —
10 tons to c.l.	ton	100.00 - —
white, 98-99½%, grd., kgs., works	lb.	.80 - —

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for February 4.

Naval Stores Statistics October-December

Production of gum and wood turpentine in the United States in the period October-December, 1945, amounted to 121,099 barrels of 50 gallons each, compared with 118,119 barrels in the same period last year, according to Naval Stores Research Division of the Department of Agriculture. Production of gum and wood rosin totaled 375,501 drums of 520 pounds, against 347,559 drums in the corresponding year.

Supply and Distribution

	Turpentine Oct.-Dec., 1945 Barrels of 50 gals.	Rosin Oct.-Dec., 1945 Drums
Carryover, October 1	165,326	473,146
Production	121,099	375,501
Imports	1,926	469
Available supply	288,351	849,116
Less carryover	150,098	479,890
Apparent total consumption	138,253	369,226
Less exports	19,367	56,513

Production

	Turpentine	Rosin
Gum	60,580	186,057
Wood	60,519	189,444

Location of Carryover Stocks

	Turpentine	Rosin
Gum stills	22,796	101,341
So. concen. points	50,017	26,979
Wood plants	16,207	75,348
Distribution points	35,790	15,791
Industrial plants	24,388	260,431
Total in United States.	150,098	479,890

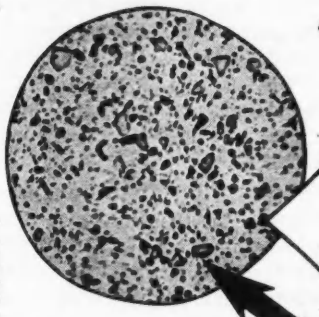
Consumption by Industries

	Turpentine Barrels of 50 gals.	Rosin Drums 520 lbs.
Abattoirs	.....	113
Adhesive and plastics	52	4,719
Asphaltic products	.....	162
Automobiles and wagons	29	89
Chemicals and pharmaceuticals	27,647	65,691
Ester gum and synthetic resins	4,508	63,314
Foundries and foundry supplies	155	3,276
Furniture	49	.....
Insecticide and disinfectants	4	1,007
Linoleum and floor coverings	12	2,943
Matches	.....	286
Oils and greases	3	5,605
Paint, varnish, and lacquer	4,547	24,757
Paper and paper sizes	.....	.....
Printing ink	53	.....
Railroads and shipyards	1,783	.....
Rubber	52	.....
Shoe polish and shoe materials	.....	3,135
Soap	.....	.....
Other industries	66	.....
Total industrial reported	42,150	280,569

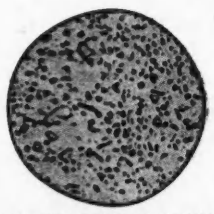
Horse Head

Lead-Free

Zinc Oxides

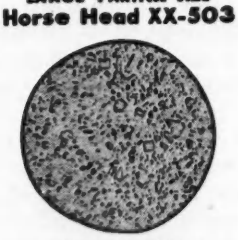


MODERATE PARTICLE SIZE
Horse Head XX-2



MODERATELY LARGE PARTICLE SIZE
Horse Head XX-50

LARGE PARTICLE SIZE
Horse Head XX-503



LOW REACTIVITY
Horse Head XX-505

ACICULAR
Horse Head XX-601

New Jersey zinc

HORSE HEAD XX-2 ZINC OXIDE

This is the standard, all-purpose lead-free zinc oxide for general paint manufacture.

It produces medium consistency in paint.

Horse Head XX-2 zinc oxide has an established reputation for color, brightness and uniformity.

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160 FRONT STREET, NEW YORK 7, N. Y.

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Economic Muddling

The newly announced presidential plan of pay, price, profit, production, and what-have-you may be a national policy —at least nominally. But, it is not going to do much good as a remedy for what ails the national economy.

The new promulgation is impressively worded. But, in large part, it appears to be new only in wordage. A lot of explaining and interpreting has already been uttered, and more is to come. But, the whole thing simmers down to the fact that all the digging and talking and squabbling has produced no new idea. Wages are still to be upped if a good case is made out for their insufficiency. Prices also may be increased if it is shown that the existing margin will not cover the boost in labor cost. Insofar as the consumer is concerned, it is a case of the public be damned—two ways.

What the new plan will do for production is anybody's guess. An early stimulation is certain in those fields where the volume has been reduced to almost nothing by strikes. There will be a short period of buying at any price by those who want things they have not been able to get and who have more money than they know how to take care of. It could be, and it may be, that that spark will set the national machinery of production in motion, in which case the customary reciprocal action of earn and buy will come into play—for a time. After an all too short period, it may be expected that the motive power will give out, because earning never can keep up with the cost of buying as long as no new ratio is applied. So, no new ratio having even been worked out, the spiral of inflation is about to begin to get worse—it has been in effect for several years—and after that, again, the debacle.

Nothing new has been learned with respect to the inevitable relationships and consequences of cause and effect as exemplified by cost of production and distribution and cost of consumption. It is evident once again, in the customary cycle of forgetting the lessons of experience, that the repetitiousness of economic trends gets no thought in the scramble for a higher-cost future. It has also been forgotten so soon after the plain lesson of war that divided authority attains no worthwhile goal. Still another head has been placed upon the creature of government that is expected to lead the national economy to the promised land. As some of its many heads do not even speak to one another, how that "leader" can be expected ever to get anywhere is beyond understanding. And yet, some persons wonder why several million $2 shirts are kept out of circulation because they bear $4 price tags! Inflation is not just around the corner, it is but a short way straight ahead.

—O-P-D—

Another Misfit Tax Scheme

What its sponsor calls "a new approach" to Federal income taxes has been made in an "incentive tax" bill introduced in the lower house of Congress. The newness of the approach is not much in evidence, and what is new about the approach is largely a change in the wrong direction from the old.

There is one good thing about the stated purpose of the new approach to the matter of Federal income taxes: the sponsor says his intention is to tax incomes, not individuals or corporations. The theoretical goodness of the idea is not reflected in the tax schedule proposed. In the first place, the new scheme, so the sponsor says, would cut in half the number of payers of Federal income tax by increased exemptions. An honest, equitable system would make every individual pay some share of his cost of being governed, in order that he would be conscious of the fact that being governed does cost. He then might be interested in learning why —and doing something about it.

The tax on corporations would be made the same, in the matter of rates, as that on individuals, with a 50 percent maximum for both, starting at $25,000. But, the scheme departs from its theory of taxing incomes by eliminating the taxing of stockholders on dividends. It favors the individual. An equitable income tax, one designed to do away with pyramiding, would be wholly individual, levied directly on the one who got the money and making no distinction with regard to the source.

—O-P-D—

Utilizing Farm Wastes

Of the two ways in which agriculture could do more than a little to rid itself of the stigma of being government-kept—assuming that it has enough pride to want to do that—the simplest one is to develop a straighter-line, more efficient method of marketing its products. That comparison, of course, is theoretical. Even the co-operative marketing operations do not get close to what the farmer seeks at the other end through co-operative buying.

So, it may be in great wisdom that the political agricultural agencies devote the greater part of their efforts to teaching and otherwise helping agriculture to increase its productive capacity—and to curtail its production in order that subsidies may be kept at a minimum on a commodity unit basis, but kept.

Much of the necessary assistance toward more profitable marketing of agricultural products is directed toward the finding of new markets instead of developing existing ones. This activity reaches out into the other means whereby agriculture could approach more closely to the desirable condition of being self-sustaining; that is, through the profitable use of its enormous waste. Because of the disproportionately high cost of collecting farm waste for most of the proposed processings, this activity promises little in the way of ever becoming freed from the need to be governmentally financed, at least. There is a possibility in a greater or less measure of pretreatment on the farm, but the practicability of even the remaining job of collecting and transporting is still slim.

Much is again being published and propagated about the making of liquid fuel, mostly for use in internal-combustion power machines, from farm wastes. It is common knowledge that the cost of such processing makes straight competition with petroleum fuel impossible, and that farm-waste fuel would have to be subsidized.

There is much talk again about the converting of farm wastes into insulating materials. Here again the cost of gathering the material and getting it to the factories makes the process impracticable in all but specially favorable localities. There is a better outlook in that direction when the possibilities of partial pretreatment on the farm toward conversion into a partly cellulosic composition and the adoption of a practicable, continuous-motion method of transportation are considered. But, those developments take much more willingness for agriculture-manufacturing co-operation than has yet been developed, and acceptance by agriculture of a relationship different from the popular one of kicking up the price as soon as a market has been entered.

Taking into consideration all the beliefs and attitudes which influence agriculture in its apathy, at least, toward the common practices of other productive industries, it is difficult to escape the conclusion that the best solution of the problem of utilizing farm wastes would be the developing of uses on the farm. With not too much mechanical and other physical treatment, plus a bit of chemical processing, all farm waste can be converted into plantfood, or animal feed, or fuel for heating and cooking. In this manner it could contribute more than a little toward lifting the farmer out of the class of government wards.

—O-P-D—

Legislating Is Slow

Sugar is still a scarce commodity. A scheme of wages and subsidy for Puerto Rican producers of sugar has been lying around in Congress for a month. The scheme, fostered by the Department of Agriculture, is designed to provide a basis for collective bargaining expected to lead more or less speedily to greater activity on the part of the grinders—and more sugar for the continental United States.

This wage-and-subsidy scheme has been approved by the house; the prediction is that it will get approval of the senate not much later than the end of March. The senate, fatigued by its strenuous efforts to make it plain that the freedom and equality into which all men are born do not obtain when they have reached the time of seeking employment, is spending a large part of each week out of session. The picketing of recent memory has been succeeded by sitdown tactics.

It is indeed a sorry state of affairs when the economy of a people, through incompetence or neglect or from some other cause, becomes afflicted with ills for which a remedy must be sought in legislation.

OPD—2-25-1946 35

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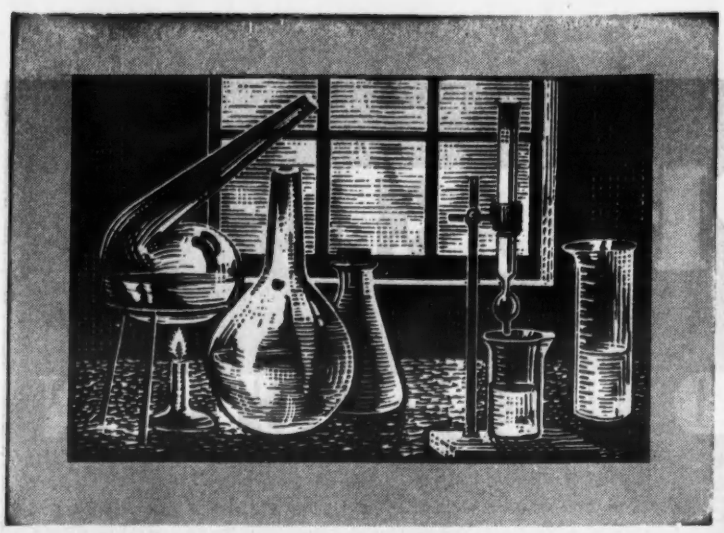

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Heavy Chemicals

Settlement of the steel strike created a better feeling in the heavy chemical market although the actual situation did not change greatly. Buying interest in chemicals affiliated with the steel industry was more active and it looked as though the movement would increase. The prospect of more steel drums in the near future was considered favorable as the current shortage along with the scarcity of tanks and cylinders has retarded chemical shipments to no small degree. The accumulation of chlorine supplies signals a further cutback in production and adds tension to the already tight position of caustic soda. The rayon mills have increased their pressure for liquid caustic and this with a heavy demand from practically every other major consuming industry has kept the supply situation fully as tight as during the peak war demand. No improvement could be noted in the available stocks of dense soda ash. The glass industry in its desire to satisfy the food packers has outdistanced production with demand for shipments. In the potash group, carbonate of potash, the calcined grade, has commanded new buying interest. Practically all the reserve inventories have been purchased by the tobacco planters who are short of sulphate of potash, cottonseed meal and cottonseed hull ash. Prompt shipments of caustic potash were obtainable and chlorate of potash maintained the same degree of balance that has featured that market during the entire month. Production of white sal ammoniac has increased, but it will be a few weeks before the new facilities are operating at full capacity. The dry battery trade continues to take any material made available. Antimony oxide was reported in good supply, although still under allocation control.

Aluminum—During the month of November, receipts of primary and secondary aluminum ingot and pig to be used in the production of wrought and cast product were more than 32,000 short tons. Net shipments of aluminum wrought products during the month of November, 1945, rose to 23,107 short tons, while shipments of aluminum castings dropped to 8,531 short tons, according to a report released by the Bureau of the Census. November wrought product shipments, despite the fact that they increased 22% over October shipments, were still far below the 1945 peak of more than 75,000 tons per month reached earlier in the year, November shipments of castings were 9% under the October figures, and about 35% of the peak 1945 shipments of 24,100 tons.

Ammonia Bicarbonate—Buying interest from the bakeries was considered normal for this period of the year. Production has been geared to meet demand and the supply at present has not proved a problem.

Ammoniac Sal — Increased production of white granular is reaching the market, although new facilities have not been able to attain capacity so far. Makers of dry-salt batteries are taking all the material they can get and this has prevented any easement in the supply position. It is expected that buying conditions will improve as output increases.

Antimony Oxide—Supply position of this material has been steadily improving with new production now running at capacity. While there are some backlog orders that are being filled, demand has dropped off considerably from the war-time peak when the government was using large quantities for flame-proofing. The market remains under allocation control.

Bauxite—A further drop of nearly 7 percent in domestic mine production of bauxite was recorded in November, continuing the decline begun in May, 1945, according to the Bureau of Mines. Output totaled 72,163 long tons on a dried equivalent basis in November. The decrease in production in Saline and Pulaski Counties, Arkansas, by far the most important domestic bauxite mining areas, was about three percent, but the 40 percent drop reported from Virginia, Alabama, and Georgia increased the average decline for the United States to 7 percent. A total of six companies reported output of crude bauxite during November. Mine stocks of crude bauxite decreased about 3 percent during the month, continuing the recent trend, inasmuch as shipments to processors and consumers were substantially in excess of ore production.

Chlorine — Buying interest from paper mills, water purifying plants and other large consumers has not been of sufficient dimensions to prevent stocks from accumulating. It is stated that actual material is adequate to meet current requirements, the principal difficulty has been in securing tankcars and cylinders.

Manganese Carbonate — Production has kept the supply situation satisfactory. Requirements for the paint, rubber and other consuming industries have been covered promptly.

Manganese Dioxide — Match factories have continued prominent in the current buying movement. Stocks were able to satisfy demand without difficulty.

Nickel Carbonate — Some of the platers have been able to use this material as a substitute for nickel sulphate on account of the stringency prevailing in the latter product. Inventories appeared sufficient to meet present demand.

Nickel Chloride—Not in urgent demand but finding a fair outlet for plating use from a favorable supply situation.

Nickel Sulphate — Definitely short for prompt shipment with demand exceedingly active for use in the hardware trade. Shipments continued considerably behind scheduled requirements.

Potash Carbonate — While regular consumers have been receiving shipments of this material, any slack inventories of the calcined grade have been purchased for use in cultivating tobacco plantations. Ordinarily, tobacco planters use sulphate of potash, cottonseed hull ash or cottonseed meal but the current shortage of those materials has prevented such use at present and carbonate of potash is the next best substitute. The buying movement from this source was sudden and producers were not in the best position to take care of demand. The buying has tightened the market's position appreciably.

Potash Caustic—There seemed to be nothing abnormal about this market. Production has been able to meet requirements and aside from a shortage of containers the supply situation has not proved much of a problem so far this month.

Potash Chlorate—Although consuming demand remained heavy, production has kept requirements well satisfied. Inquiry has covered a wide consuming field but the largest shipments have been channeled to the match factories. An arrival of 600 cases from Sweden was a rather unusual incident as none has been brought in from that country for a long time.

Soda Ash—Tight conditions recently noted in dense soda ash showed no sign of easement during the past week. The call for shipments from the glass industry has continued exceedingly heavy with production under considerable pressure. The shortage of tin has made it apparent that a lot of food products this season are going to be packed in glass containers. Conditions are different in light soda ash where bulk deliveries are averaging close to contract schedules. Bags are in better shape than

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168.9	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

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a month ago but are below scheduled requirements.

Soda, Caustic—Consuming demand for liquid and solid forms of caustic soda is running ahead of the production limit and the market has remained practically bare of stock for additional requirements. The outlook for improvement in supplies is not considered favorable at present as there is an accumulation of chlorine that suggests further curtailment in output of electrolytic caustic soda. The rayon mills are calling for unusually heavy shipments and this with a strong demand from every other consuming industry has been more than enough to tax current production.

Soda Chlorate—Output has kept this market in fair shape with shipments well up to contract schedules. Demand has remained steady with the largest shipments moving for weed-killing purposes in the West.

Acids

Hydrofluoric—Inventories have been built up to meet consuming requirements and all grades were obtainable for prompt shipment. Present demand was considered of normal dimensions. Some export business was noted in the 60 percent grade.

Muriatic—Production has been adjusted to meet consuming requirements without leaving much excess material. Demand reported steady for both home and export consumption.

Naphthemic—Enough of this acid is being produced to meet the paint trade requirements. The major part of current production is said to be finding use in paint dryers.

Oxalic—Supply position remained tight under a heavy miscellaneous consuming demand that has kept production sold several weeks ahead. Producers name April-May for carlot shipments with the emphasis on the latter month.

Sulphuric—Stocks have been equal to consuming demand which is active. Heavy shipments are moving to agriculture through the superphosphate plants. The settlement of the steel strike is expected to restore demand from the steel industry where inquiry fell off during the past month.

Baltimore, Feb. 21.—As far as can be learned, about the only important change in the production of sulphuric acid is the addition made to storage facilities, so that producers may have adequate room to carry any excess of output over demand. For the present, ceilings are the highest prices realized by manufacturers in March three years ago. These differences are not wide, so that there would be no real reason for moving to effect a uniform schedule, as had been hinted several times during the war. Meanwhile, acid making materials have not become more plentiful, with the cost of securing them on the upward trend. Transportation, for instance, has risen, with profit margins probably narrowed. What with government requirements lower, however, the excess available for other purposes has increased. So far, there is no information about a move to abandon ceilings and return to a competitive market.

N.Y. Chemists Club Honors Four Chemists

The Chemists Club, New York, has nominated for honorary membership the following chemists:—William Cullen, president in 1944-45, of the Science Headmasters Associations of Great Britain, member of the National Committee for Chemistry of the Royal Society; Sir Robert Robertson, president of the Royal Society in 1945; Dr. Maximillian Toch, former president of the Chemists Club, New York, and a former president of the American Institute of Chemists, president and chief chemist of Toch Brothers, Inc., and chairman of the board of the Standard Varnish Works, Brooklyn; Willis R. Whitney, of the General Electric Company, Schenectady, New York.

National Starch Opens Southern Division Office

The National Starch Products, Inc., New York, has opened a new southern division at 1200 South Front street, New Orleans, under the managership of H. F. Stegall. Before joining National Starch early in 1944, Fred Stegal was for two years chief of the Grain Pricing Section in Washington and prior to that, Southern representative for General Foods.

Trade Briefs

Southern Research Institute, Birmingham, Ala., has granted a leave of absence to Robert E. Burks, jr., so that he may resume post-graduate studies at the University of Wisconsin.

Zitt Organic Chemical Inc. has been chartered in Maryland by Ralph L. Tracy jr., and Leonard L. Griffith jr., both of Frederick, Md., and Patrick Turner, of Walkersville, Md.

O. Hommel Company, chemical manufacturer, Pittsburgh, has announced that Shipp Davis, recently released from the service, will be porcelain enamel frit sales representative in the South.

James Forrestal, assistant to the vice-president and general manager of the Ansco division of the General Aniline and Film Corporation, New York, has been made a member of the photographic equipment manufacturer's industry advisory committee, which is headed by Chester Bowles, OPA Administrator.

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In N.Y. Sales Post

Samuel H. Thomas has been appointed New York district sales manager for the chemical department of the General Electric Company, Pittsfield, Mass. Mr. Thomas, who has been with General Electric since 1929, joined the chemical department after eight years as sales representative of the industrial department. His new district comprises New York, Connecticut, and northern New Jersey.

Gen. Hughes Nominated As Chief of Ordnance

OPD Washington Bureau

The President has recommended to the senate the appointment of Major-General Everett S. Hughes as chief of ordnance, with the rank of major-general, for a term of four years. He would succeed Lieutenant-General Levin H. Campbell, jr., who will retire February 13, 1946. The President also recommended to the senate the appointments of Major - Generals Gladeon M. Barnes and Henry B. Sayler to be assistants to the chief of ordnance with the rank of brigadier-general for a term of four years.

Du Pont Shuts Down Smokeless Powder Plant

Production at the world's largest powder plant, the Indiana Ordnance Works, Charlestown, Ind., was halted recently by E. I. duPont de Nemours & Co., Wilmington, Del., who operated the gigantic war project. The works turned out more than one billion pounds of smokeless powder from the time it was put into operation in March, 1941.

Unexcelled Co. Buys Frank Bownes Co.

Unexcelled Manufacturing Company, manufacturer of fireworks and signal flares, New York, has acquired the Frank Bownes Company, Chelsea, Mass., which will be operated in conjunction with Paint Engineers, Inc., a wholly-owned subsidiary of the Unexcelled company.

Barite Report Available

A map and brief report on the Parrott Springs, Ga., barite mine is available for inspection in the office of the Geological Survey, Department of the Interior, Washington, D. C.; the Survey's office in Cartersville, Ga., and the State Department of Mines, Mining and Geology, Atlanta.

Sergeant Expands Staff

William C. Boyle and Edgar Sergeant, jr., have been added to the sales staff of the E. M. Sergeant Pulp & Chemical Company, New York. Both were discharged recently from the armed forces.

FTC Reorganized

—Continued from page 3

expanding the functions of the Trade Practice Conference Division. A new section has been established to assist industries in initiating conferences and in formulating voluntary trade practice rules; another to periodically check on compliance with trade practice rules; and a third will continue to administer the wool products labeling act and to make inspections thereunder.

Finally, the commission has established an Office of Legal Investigations to coordinate and broaden the legal investigational activities of the agency. This office, in some instances, will institute specific projects for simultaneous investigations as to all members of an industry engaging in similar illegal practices. In this office there will also be consolidated and coordinated the functions of the Radio and Periodical Division which makes office investigations and the functions of the Legal Investigation Division which handles matters requiring field investigations of a legal nature.

Under the reorganization plan general supervision over the commission's several divisions and internal organizations will be rotated annually among the commissioners.

FTC Appropriation UP

—Continued from page 3

gathering data on investment, costs and profits by industry groups, but was turned down by the house committee on appropriations on the grounds that this work was largely a duplication of work already being done by the Office of Price Administration.

On appeal to the senate appropriations committee, however, the FTC was able to have $105,000 restored, and on the commission's request for more money for enforcement and trade practice conference work, the committee agreed to an increase of $134,500 over the amount approved by the house.

The increases provided were approved by the senate without debate and the bill now goes to conference where the funds will be subject to a compromise agreement between the two legislative bodies.

Kinsman Takes Raskob

—Continued from page 3

in the Bayway, N. J., plant of the high explosives operating department. In 1917 he spent a short time in the fabrikoid department and was then transferred to the sales department at the former du Pont chemical works. After serving as assistant supervisor in the smokeless powder plant at Carney's point, N. J., in 1918, he spent two more years in du Pont chemical works sales, and then was made a special assistant in the dyestuffs department. In 1924 he became assistant director of sales for that department, and in 1929 director of sales for the organic chemicals division.

Two years later Mr. Kinsman became director of sales for intermediates and exports and manager of the alcohol division of the newly-formed organic chemicals department. In 1941 he was appointed assistant general manager of the plastics department. He was transferred to the same post in the organic chemicals department in 1943, and took his present post in October of 1944.

Mr. Raskob, whose resignation was due to a desire to make place for younger blood in the organization, had retired from the company's finance committee in March of 1944. He joined the company in March of 1902 as stenographer to Pierre S. du Pont, became assistant to the treasurer, and rose steadily until in 1915 he was elected a director, treasurer, and member of the executive and finance committees of the du Pont company. He resigned his post on the executive committee in October of 1918.

Los Angeles Water Softener Company has been issued a permit for construction of a $10,000 factory building.

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Receives Davey Medal

Professor Roger Adams, head of the chemistry department at the University of Illinois, and chairman of the board of the American Chemical Society, has been awarded the Davey Medal of the Royal Society of London, one of the world's greatest scientific honors. The award was in recognition of his extensive researches in the fields of organic chemistry. Professor Adams is now in Berlin as advisor to Lieutenant General Lucian D. Clay, deputy military governor of the American occupation zone in Germany.

Drug Pretesting

—Continued from page 3

pretesting or not. It was argued that there appears to be no such guiding rule at this time. It was pointed out that pretesting of insulin and penicillin is now required and is proposed for streptomycin, yet there are many other kinds of new drugs equally as dangerous or more so which can be distributed under the new drug provisions without pretesting.

Streptomycin Pretesting

It was finally suggested that nothing definitely be done on the pretesting question for a while until the industry and the government has been able to collect more knowledge about streptomycin. It was pointed out that the drug is to be put under allocation by the Civilian Production Administration and doubtlessly will remain under allocation until June 30, when the CPA expires, and probably longer if the CPA is continued in operation. During this period, it was pointed out, much will be learned about the drug which is not now known.

The point was further made that in the allocation of streptomycin by CPA, certification of the drug is to be required before it is allocated. The CPA is to require this for economic reasons, rather than from a public health standpoint. The reason, it was explained, is that in allocating supplies, the CPA must necessarily tell the consumer where he shall obtain his supplies and with the drug produced by each manufacturer certified by the same agency—FDA—there is no room for argument by the consumer that he preferred to make his purchases from a particular manufacturer.

Streptomycin Allocation

Further details of the streptomycin allocation program and the clinical research program for the new drug which are now being drawn up were discussed at a meeting of the Streptomycin Producers Industry Advisory February 20. The clinical research program is to be under the direction of Dr. Chester Kiefer, chairman of the committee on chemo-therapeutics of the National Research Council.

The program will be handled in much the same manner as penicillin was handled during the early stages of its production—all supplies except those going to the Army and Navy being subject to use in accordance with the clinical directions of Dr. Kiefer. The program will be underwritten by the industry.

Philadelphia Quartz Makes Four Staff Changes

John C. Russell, assistant sales manager for the Philadelphia Quartz Company since 1942, has been advanced to sales manager. Carl F. Woolcott, employment manager, has been named manager of foreign sales. Russell J. Emmons has been appointed industrial relations manager, and John H. Wills, patent manager.

Rohm & Haas Buys 'Plexiglas' Plant

Rohm & Haas Company, Philadelphia, has purchased from the Reconstruction Finance Corporation the 'plexiglas' plant at Knoxville, Tenn., which the company operated during the war. Purchase price was $1,096,200.

Rheem Co. Elects Director

The election of William E. Curran as a director of the Rheem Manufacturing Company, steel container manufacturers, New York, was announced at a special meeting of the board of directors. He has been a vice-president in charge of all manufacturing activities for the company since October, 1943.

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Obituaries

John A. Kienle

John A. Kienle, vice-president of the Mathieson Alkali Works, New York, until his retirement about four years ago, died recently in Johns Hopkins hospital, Baltimore. He was sixty-two years of age.

John A. Kienle

A native of Wilmington, Del., Mr. Kienle graduated from Temple University with an engineering degree, and worked for the government in various engineering capacities from 1902 until 1913. He was sales manager for Electro Bleaching Gas Company, New York, from 1913 until 1920, when he became sales manager for Mathieson. He held this post for two years, when he was named vice-president.

Dr. Ernst Berl

Dr. Ernst Berl, for twelve years professor of chemical research engineering at Carnegie Institute of Technology, until his retirement as professor emeritus last summer, died February 16 in Pittsburgh. He was sixty-eight years of age.

Dr. Berl, who gained fame in Europe as chief chemist for Austria-Hungary in the first World War, and in coal and oil research, came to Carnegie in 1933, when, feeling he could do no real research in Germany, he resigned as a professor at Darmstadt University.

When the United States entered World War II, Dr. Berl cooperated with the Chemical Warfare Service and the Navy Ordnance Department in their preparation for possible gas warfare.

He was a member of the American Chemical Society, the American Institute of Chemical Engineers, Faraday Society, New York and Pennsylvania Academies of Science and the American Institute of Chemists.

John P. Carlson

John P. Carlson, founder and president of the printing ink concern that bears his name, died in Brooklyn, N. Y., February 16 He was seventy-six years old. Mr. Carlson came to America from Sweden in 1887. He founded his own firm in 1921 after being associated for many years with a similar company, Phillip Ruxton, Inc.

Arthur R. Haley

Arthur R. Haley, general manager of the Pittsburgh Plate Glass Company's Columbia Cement Division, died at his home in Zanesville, Ohio, February 14. He had been associated with the firm since January 1, 1941.

John Jacob Brown, chairman of the board of the Foster Wheeler Corporation, manufacturer of oil well drilling equipment, died in New York February 15. He was seventy-three years old.

William H. Caruthers, for twenty years manager of the San Francisco office of the West Disinfecting Company, Long Island City, N. Y., died February 16 in San Francisco. He was fifty-six years old.

John L. Coates, assistant treasurer of the General Petroleum Company, Los Angeles, died recently in that city. He was fifty-four years of age.

Leonard H. Davis, consulting engineer for the Union Carbide & Carbon Corporation, New York, died February 19 after a short illness. He was seventy-three years old.

William S. Frazier, a chemical engineer for Park & Tilford Distillers, Inc., died February 17. He was sixty-one years old.

Sidney J. Hernstadt, president of the Gilmer Oil Company, Ardmore, Okla., died there February 18 after a short illness. Mr. Hernstadt, who started his career in the cotton business, retired from that field thirty years ago to take an active part in the development of oil interests in Oklahoma and Texas.

Lewis Spinks, vice-president and a director of the Nixon Nitration Works, Nixon, N. J., died in Highland Park, N. J., February 16. He was sixty-six years of age.

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WAC Aluminum Extrusion Plant Leased

The aluminum extrusion plant formerly operated by Extruded Metals Inc., at Grand Rapids, Mich., will be leased to the Reynolds Metals Company, of Richmond, Va., subject to the priority right of Federal government agencies, for a period of five years, the War Assets Corporation has announced. The Reynolds company expects to use the plant in producing extruded aluminum products and anticipates giving employment to about 450 persons.

Osborn Co. to Build Research Laboratory

The C. J. Osborn Company, paint materials manufacturer, New York, will build a laboratory for research in synthetic resins, dispersed pigments, and other company products, and a plant for the production of these materials, in Linden, N. J., adjacent to the company's present plant.

Moret Rejoins Enequist

F. Moret, of the Enequist Chemical Company, Brooklyn, N. Y. recently released from the Navy, has resumed his position as export manager. He served in the supply and financial departments of the navy since the early part of 1943.

Trade Briefs

Oscar Jackson, of Liebermann Waelchli & Co., import and export, New York, will travel to England, France and Czechoslovakia to renew pre-war contracts.

B. F. Goodrich Chemical Company, Cleveland, produced 388,577,000 pounds of synthetic rubber in 1945, an increase of approximately 56,000,000 pounds over 1944.

Distillers Company and B. F. Goodrich Chemical Company, both Cleveland, have organized British Geon Ltd., a private company for manufacture of plastics, in London.

Reed & Carnrick Name Snedecor for Research

Dr. Spencer T. Snedecor, former president of the Medical Society of New Jersey, has been appointed assistant to the president of the physiological laboratories of Reed & Carnrick Company, pharmaceutical manufacturer, Jersey City, N. J. Dr. Snedecor was a Lieutenant Colonel in the Army Medical Corps until his discharge last fall.

Plastics Reinforcement Product Developed

A new material designed for plastics reinforcement, known as 'Fiberglas Mat,' series X-30,000, has been announced by Owens-Corning Fiberglas Corporation, Toledo, Ohio. The mat is composed of continuous glass filaments bonded with a vinyl resin.

Manganese in Feeds Explained

The essential nature of manganese in the nutrition of domestic animals and the ways in which its deficiency and its effects are evident are comprehensively presented in a new booklet by J. F. Wischlinsen, of the Manganese Research and Development Foundation, Cleveland 10, Ohio. The scope of the booklet comprises poultry, cattle, horses, hogs, sheep, rabbits, and fur-bearing animals. There is also a chapter on manganese for soils and plants. Copies of the booklet may be got from the author without cost.

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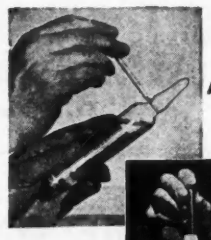
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Petroleum Derivatives

An acute shortage of the heavy residual fuel oils in the Gulf coast sector as well as along the Atlantic seaboard, in the New York zone of which it has reached truly alarming proportions, has led to the presentation to Office of Price Administration representatives of applications for a further markup of prices for these oils, within the past week, in the belief that this would furnish a sufficiently strong incentive for swelling their production and thereby easing the present scanty supply situation.

There has been some improvement in the supply of the so-called home heating oils—No. 1 fuel oil, range oil and kerosene—in the New York metropolitan area, following the resumption of work by the tugboat operatives. But the shortage of these oils, resulting from the recent tieup of harbor transportation, has not yet been converted into a plethora in this region and has been only slightly ameliorated in the New England territory. The recent lifting of price ceilings for these light heating oils is affording an adequate incentive to the refiners to insure a sufficiently steady expansion of their output in these oils for the ultimate meeting of all requirements, provided that there is no additional holdup or retardation of their movement into consuming territories.

OPA has recently granted this incentive for swelling the output of kerosene and the other light heating oils to the Pacific coast and Hawaii, with authorization for marking up ceiling prices of these oils by three-quarters of a cent per gallon in Washington, Oregon, California, Arizona and Hawaii.

With the residual fuel oils, however, the situation is somewhat different, as the recent removal from crude petroleum of the lighter fractions on a much larger scale than heretofore has left less of the heavier fuel oils for the production of No. 6 fuel oil and the bunker C grades.

Solvents and Diluents

Aromatic Solvents—There has been no slowing down of the buying movement in the high-solvency aromatic naphthas within the past week and, as the processors of these derivatives have continued to be adequately supplied with petroleum xylol and toluol, they have been able to meet all calls. The makers of petroleum xylol report a gradual tapering off in the takings of this product since the ending of the strike in the steel industry which has led to resumption of coal-tar xylol production at the by-product coking ovens of the independent iron and steel companies.

Cleaners' Naphtha—Continues moving in sizable volume into civilian consuming channels and in steadily diminishing volume to military procurement agencies.

Lacquer Diluent—Buying interest is still fairly keen in this material.

Mineral Spirit — In moderate demand with prices well maintained.

Rubber Solvent—Manufacturers of synthetic rubber continue to absorb virtually the entire output of this solvent.

Stoddard Solvent — As the takings on civilian drycleaning account keep mounting, those for military application continue to diminish.

V. M. & P. Naphtha — Purchasing operations in this solvent are reaching larger proportions daily. Price structure still firm.

Markets at Other Centers

Chicago, Feb. 21.—Despite reports of easiness in some directions, the solvents sections of the petroleum derivatives market continues firm in this area. Rubber solvents are still attracting widespread interest.

Los Angeles, Feb. 21.—An active market continues on the Pacific coast for petroleum solvents and diluents. Offerings are still sufficiently liberal to meet all current requirements.

Lighter Fractions

Butane — Continues in satisfactory supply, sufficient for meeting the fairly large requirements of home-heating and cooking interests and private industrial enterprises as well as of the synthetic rubber makers and also the steadily decreasing needs of the manufacturers of high-octane aviation gasoline. Prices strongly maintained throughout.

Propane—Activated and controlled by conditions almost exactly similar to those governing the butane situation, described above.

Markets at Other Centers

Chicago, Feb. 21.—Orders continue to be placed in sizable volume in most of the liquefied petroleum gases in this area, but the supply is still not as extensive as most buyers would desire. Inquiry has been better in some instances, but suppliers are unable to quote on much additional business.

Los Angeles, Feb. 20.—All the liquefied petroleum gases are moving in fair volume on the Pacific coast. Supplies are large enough to meet all needs. And prices are being well maintained throughout the entire list.

Petrolatums and Waxes

Microcrystalline—A demand running well ahead of current supplies continues to characterize the market for these petroleum waxes, with standard process types leading the movement into consuming channels.

Paraffin—Featuring the market for this petroleum wax is an inquiry for 8,000 tons for the U. S. Army. Export demand is especially keen and pressure of a mass of domestic and export demands is keeping stocks of both crude scale and refined grades at a very low ebb. Even those with export permits cannot get enough to fill their orders. Agitation for relinquishment of price control over this wax by OPA, recently instituted by some producers, has been met with point-blank refusals on the part of that agency to consider any and all applications to that effect.

Petrolatums—Producers of petroleum jelly continue extremely busy in their efforts to fill all orders promptly, with prices for U.S.P., veterinarian and technical grades well maintained.

White Mineral Oils—Buying interest in these oils continues keen. Price structure firmly held on all U.S.P. and technical types.

Fuels and Lubricants

Fuel Oil—In the firm belief that a further incentive should be given to petroleum refiners to swell their output of heavy residual fuel oils—No. 6 fuel oil, diesel and bunker C grade—to an extent that would ease the present alarming shortage in these oils in the Gulf coast and Atlantic coast areas, the East coast fuel oil industry advisory committee of the Office of Price Administration has been urging that bureau, at a conference in New York within the past week, to grant an additional markup of 10c. per barrel in the ceiling prices for these oils in districts 1 and 3. In view of recently revealed additional requirements of the U. S. Navy and the low level of stocks of these oils in the East coast and Gulf coast areas, it is understood that OPA is more favorably disposed than hitherto to consider this request by the industry committee for higher residual oil prices.

Kerosene—In line with its overall program to help relieve shortages of kerosene and distillate fuel oils in various parts of the country by offering a price incentive to refiners to refine more of these oils and less gasoline from their crude oil runs, OPA has granted a temporary increase of three-quarters of a cent per gallon in the ceiling prices for kerosene and heating oils during the next few months on the Pacific coast, similar to the markup of a half cent per gallon which it has already granted to refiners on the East coast, Midwest and Gulf areas. These higher ceilings apply in Washington, Oregon, Nevada, California, Arizona and Hawaii.

Market Trends

Prices Advanced

Kerosene and heating oils, in Washington, Oregon, Nevada, California and Hawaii, ¾c. per gal.

Prices Reduced

None

(For Current Prices see page 9)

For Late Market Developments, See Page 4

WAXES

MICRO CRYSTALLINE WAXES
WHITE TO DARK AMBER
145F TO 175F

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Natural Gas Ass'n Reelects Officers

E. Buddrus, president of the Panhandle Eastern Pipeline Company, Chicago, has been reelected president of the Independent Natural Gas Association of America. Other officers reelected were Paul Kayser, president of the El Paco Natural Gas Company, El Paso, Tex., first vice-president; J. H. Dunn, president of the Shamrock Oil & Gas Company, Amarillo, Tex., second vice-president; F. W. Peters, treasurer of the Oklahoma Natural Gas Company, Tulsa, treasurer, and John A. Ferguson, of Washington, D. C., executive director.

Herron Elected Chairman Of Two Oil Company Boards

Howard M. Herron has been elected chairman of the board and chairman of the executive committee of the Bahrein Petroleum Company, Ltd., and the California Texas Oil Company, Ltd., both jointly owned by the Texas Company and the Standard Oil Company of California. He is succeeded as president by William H. Pinckard, former vice-president. B. W. Letcher was elected a director of both companies and E. A. Beverly was named a vice-president of the latter firm. Michael Halpern and Richard L. Saunders, both vice-presidents of the Texas Company, were elected to the board of the Texas Company.

Oil-Shale Research Progress Reported

Research and construction developments in the oil-shale phase of the synthetic liquid fuels programs, being conducted by the Bureau of Mines at Laramie, Wyo., and Rifle, Col., indicate that production will be started by next Summer.

Carnes to Represent Velsicol in Chicago

A. H. Carnes has opened an office at 75 East Wacker Drive, Chicago, to act as manufacturer's representative for Velsicol Corporation, petroleum derivatives, Chicago. He will handle the white oils and petrolatums of Stanco Distributors, New York, and will also represent manufacturers of solvents, waxes and insecticide concentrates.

Oil Producers Ask Price Ceiling Removal

OPD Washington Bureau

B. A. Hardey, president of the Independent Petroleum Association of America, has issued a statement asking the director of war mobilization and reconversion to lift ceilings on oil prices. Price controls will eventually produce oil shortages, according to the statement, because diligent search for new sources of oil cannot be conducted unless a reasonable increase in the crude oil price is allowed.

Tide Water's Eastern Sales Headed by E.F. McCabe

Eugene F. McCabe has been appointed general sales manager for the Eastern division of Tide Water Associated Oil Company, New York, to succeed R. E. Ryerson, resigned. Mr. McCabe has been in the company's marketing department for twenty-four years.

Maryland Lime Co. Formed

The Maryland Lime & Fertilizer Corporation has been incorporated under the laws of Maryland to engage in the fertilizer business at Baltimore. The charterers of record were Laundry L. Hubbell, William Lillien and Richard A. Lillien, all of Baltimore. The authorized capital stock consists of 500 no par shares.

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food, drug and cosmetic act or did not comply with other customs regulations, included the following articles for the reasons tated:—

New York

Week Ended February 15

Cassia oil (four shipments), 27 drums; not U.S.P.

Cassia (six shipments), 937 bales; filthy.

Ergot, 100 cases; filthy.

Juniper berries, 88 bags; excess immature and discolored berries.

Lilly root, 16 crates; decomposed.

Carrageen moss, 150 bales; filthy.

Paprika, 65 bags; filthy—is ground chillies.

Sassafras oil (two shipments), 86 drums; not U.S.P.

Buffalo

Week Ended February 15

Medicinal preparations (two shipments), two parcels; improperly labeled.

Medicinal preparations (penicillin ointment), one parcel; from batch on which no certificate of release has been issued.

Philadelphia

Week Ended February 15

Medicinal preparations, one parcel; improperly labeled.

Hills Named Assistant To Freeport President

Robert C. Hills has been appointed technical assistant to Langbourne M. Williams, president of the Freeport Sulphur Company, New York. Mr. Hills, who has been with the organization since 1934, was formerly metallurgical manager of Nicaro Nickel Company, a Freeport subsidiary.

N.J. Standard Combines Engineering Departments

The Standard Oil Development Company, central technical organization of the Standard Oil Company (New Jersey), has consolidated its two engineering departments. The consolidation brings into one organization, known as the Esso engineering department, more than 400 scientists and other employees of the general engineering department and the process engineering department.

Summers Co. Buys Sardine Meal Plant

The Summers Fertilizer Company, Baltimore, through its subsidiary, Maine Food Processors, Winterport, Me., has purchased the sardine meal manufacturing facilities of the Gove Canning Company, Eastport, Me. The plant will be operated under the direction of Grant J. Campbell, vice-president of Summers Company.

Fertilizer Bill Passed By Mississippi House

A bill proposing to permit quarterly reports of fertilizer shipments and corresponding remittance of inspection fees in lieu of tax tags, has been passed by the Mississippi House of Representatives.

Trade Briefs

British Oil Companies in Roumania have been returned to their British owners.

Emsco Equipment Company, dealer in used machinery, Newark, has added Edward L. Becker to its staff.

R. D. Kiser, manager of the Shell Oil Company's Cleveland division for the past two years, has been appointed manager of the Baltimore division in succession to H. M. Baily, who has been made division manager at Albany, N. Y.

Walter L. Faust, vice-president of Socony-Vacuum Oil Company, New York, has been elected vice-president of the Beekman-Downtown Hospital. Mr. Faust is chairman of the petroleum committee of the hospital building fund.

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VICTAWET 12

Description

Physical State . . . Liquid.

Color . . . Amber.

Specific Gravity . . . 1.121 (28° C).

pH . . . 4.7 (0.5% solution).

Analysis . . . 16.0% P_2O_5.

Surface Tension . . . 28.8 dynes/cm (0.2% solution at 29° C.)

Solubility . . . Insoluble in naphtha. Soluble in alcohols, acetone, toluene; milky solution in water; non-foaming.

Draves Test . . . 9.2 sec. at 0.6% conc.; 32 sec. at 0.2% conc. (in hard water).

Victor wetting agents have solved many problems where complete and rapid penetration is necessary. During the war years, difficulties encountered in the package dyeing of nylon cakes proved to be a serious bottleneck. Because of imperfect penetration, the nylon cakes were dyed in uneven and erratic shades. It was often necessary to unwind the yarn into skeins, re-dye, and then rewind the nylon. Any skeins which became snarled, meant a serious loss. Attempts to use ordinary wetting agents produced excessive foaming and did not solve the penetration problem.

Victor laboratories investigated the problem, and tests using many other well known wetting agents were conducted without success. Then a new Victor surface-active agent, Victawet 12, was tried. The results were so satisfactory that a series of plant runs in Franklin machines were made. The one pound nylon cakes showed thorough penetration of dyes with even, level shades. Additional runs proved Victawet 12 to be compatible with both acid and chrome dyes. The non-foaming characteristics of Victawet 12 speeded up the operation and it proved to be an excellent dye carrier as well as a penetrant.

Many other penetration problems have been solved with Victor surface-active agents. If you have a problem, think first of a phosphate from Victor.

PARTIAL LIST OF VICTOR CHEMICALS

Acids . . . formic, metaphosphoric, oxalic, phosphoric, polyphosphoric.

Formates . . . aluminum, sodium, sodium boro-.

Metaphosphates . . . aluminum, ethyl.

Orthophosphates . . . ammonium, calcium, iron, magnesium, potassium, sodium.

Oxalates . . . calcium, sodium.

Phosphorus . . . (yellow).

Ferrophosphorus

Phosphorus Compounds . . . chlorides, pentoxide.

Pyrophosphates . . . calcium, sodium acid, sodium iron, tetrapotassium, tetrasodium.

Sulphates . . . magnesium, sodium aluminum.

VICTOR CHEMICAL WORKS

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Agricultural Chemicals

Inventories of basic fertilizer materials have continued relatively low with shortages acute in some directions. Inquiry for mixed goods has increased in the South where planting operations have started. Demand in local areas is expected to reach its peak early in April. Trade reports were current that the French government was negotiating for the purchase of sizable quantities of mixed fertilizer. Some 10,000 tons of ammonia sulphate are tagged for UNRRA and the general inquiry for domestic fertilizers for export is exceedingly active. This foreign demand, combined with an increased call for home use, has kept the market under pressure and stocks are being steadily drained. The recent cutback in production of sulphate of ammonia has placed mixers in a difficult position and the present supply situation is unfavorable in practically all sections. It is stated that the short supply of sulphate of potash has forced tobacco planters to use muriate which is against their policy on account of its chlorine content and some calcined carbonate of potash has also been purchased. Regular consumers in this area appear to be getting their usual shipments of superphosphate, but the situation has become tighter at out of town points. Lack of nitrogen and sulphate of ammonia is said to be affecting the output of early potatoes on the Coast.

Organics, including bone meal, dried blood and tankage, are in exceedingly short supply and any offerings have been taken by feeders at ceiling prices. The recent advance in the ceiling for castor pomace did not loosen. The supply position because there were no stocks available for additional wants. The outlook is better for the insecticide chemicals. The ban which held down production for the coaltar items has been removed probably in time to allow shipments for agricultural use.

Nitrogenates

Ammonia Nitrate — December production amounted to 39,929 tons, according to the Bureau of the Census. November output was 39,678 tons.

Ammonia Sulphate—Shipments moving behind schedule with stocks definitely short of demand. Scarcity has interfered with mixing operations and restoration of production of ammonia sulphate will depend upon resumption of steel-mill activities. November importations were 10,770 tons. Exports were 1,766 tons.

Bone Meal—Continued shortage of all grades of bone meal has made it difficult to operate in this market. So far, the resumption of packing house activities has not eased the supply position.

Castor Pomace — Higher ceiling prices have not eased the supply situation to date. It was stated that producers are behind contract schedules and that current output is being applied to holders of contracts.

Soda Nitrate—No improvement in the supply situation could be noted. Demand for domestic and imported material has broadened and stocks have found a ready outlet as soon as available.

Tankage—While occasional offerings have reached the market, the urgent demand from feeders has taken any available material immediately. Current production is considerably under the demand level. Importations last week included 278 bags of liver meal.

Phosphates

Phosphate Rock — Fertilizer manufacturers have called for heavy shipments of phosphate rock and production has been under pressure throughout the week. Complaint was voiced in the Baltimore area over the shortage of stocks. It is stated that acidulators have contracted for the season's output, but it seems the movement is not running flush with scheduled requirements in all sections. Importations of 5,436,000 pounds were recorded at Baltimore.

Superphosphate—Demand from fertilizer mixers has continued exceedingly heavy and stocks have keen kept at a relatively low level regardless of the maintenance of production around peak levels. A new all-time peak in superphosphate output was reached in 1945, according to reports of acidulators to The National Fertilizer Association. Production was 11 percent above 1944 and it was twice as large as average production in 1935-1939. It marked the sixth consecutive year in which production was larger than in the preceding year. Exports in November included 28,925 tons of normal and 6,400 tons of concentrated.

Potashes

Fertilizer mixers continued to call for full contract allotments and could use more if material was available. The heavy demand for shipments of mixed fertilizer has created an active outlet for mixed goods and has kept potash inventories definitely low. Production is sold out for the season and the absence of resale lots has prevented trading in additional quantities.

Insecticides

Favorable prospects for the early resumption of steel mill operations has improved the outlook for insecticide chemicals derived from a coaltar base. At present it appears that a possible shortage may be averted and that shipments will be made in time for agricultural use.

Stocks of pyrethrum flowers are practically non-existent in Japan, according to a report from Tokyo. Wartime demands for food and the shortage of fertilizers caused a sharp reduction in the acreage devoted to cultivation of pyrethrum on the island of Mokkaido, it is stated.

Sulphur and Pyrites

Buying interest in sulphur, while active, has been covered promptly from adequate stocks at mines. Heavy shipments to sulphuric acid producers have been maintained through an expanding demand for superphosphate. Both Canadian and Spanish pyrites have found a ready market to regular consumers, the former being more prominent in the current movement.

Market Trends

Prices Advanced

Castor pomace, 25c. per unit ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Fertilizer Shipments For UNRRA Reported

OPD Washington Bureau

December shipments of fertilizers from the Western Hemisphere to liberated areas by the United Nations Relief and Rehabilitation Administration totaling 12,274 tons, raised the agency's cumulative total of such shipments through the end of 1945 to 106,705 tons, according to the monthly report of Director-General Herbert H. Lehman, made public February 19.

Greece has been largest recipient of fertilizers from UNRRA, the total being 36,776 tons. Poland ranked next with 26,385 tons, Yugoslavia received 24,290 tons and the remainder, 19,254 tons, went to Czechoslovakia.

Shipments of pesticides and agricultural chemicals to liberated areas totaled 1,710 tons as of December 31. Other shipments were:—soap oils, fats and waxes, 79,586 tons, basic leather materials, shoe stock and hides, 3,672 tons; industrial chemicals, 2,284 tons.

For Late Market Developments, See Page 4

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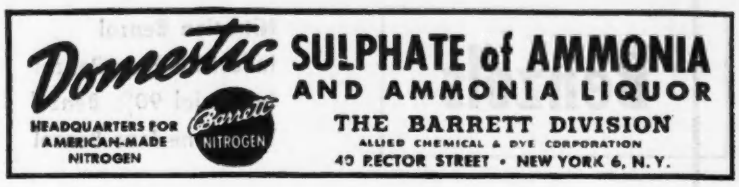

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Coaltar Chemicals

Drastic shortages of most of the basic coaltar chemicals held the market in a tight position last week, but the fact that the primary cause of scarcity is removed shed a favorable light on future inventories. According to views of prominent steel mill officials, the restoration to normal output will take from two to six weeks. Meanwhile, a gradual improvement in coke output will take place and a corresponding expansion in coke byproducts can be expected. The present shortage of coaltar chemicals has stimulated buying interest and it has been necessary to confine shipments to regular customers under the allocation method.

Current scarcity of cresols, cresylic acid, naphthalene and xylol is bordering on the acute stage which may become worse before it becomes better. The benzol supply has tightened and the heavy demand for creosote oil is believed sufficient to insure a scarcity after production has been increased. Phenol seemed to be coming through in fair shape although demand will determine whether inventories are flexible enough to stretch over the gap created by the cutback in output. There seemed to be enough toluol to go around. The program announced for the disposal of government stocks of toluol created a lot of interest. Intermediates and dyestuffs have felt the curtailment in basic coaltar chemicals, the reflection being more pronounced where producers' inventories were low.

Steel operations for the week beginning February 18 were scheduled at 15.2 percent of ingot capacity, compared with 5.5 percent in the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 5.1 percent. The present schedule is equivalent to the production of 268,000 net tons of steel ingots and castings, compared with 96,000 tons in the preceding week and 1,765,700 tons for the corresponding week in 1945.

Benzol—Market conditions did not vary greatly during the week under review. The supply position has remained tight but the settlement of the steel strike has removed the cause of the present shortage and, while a tight market is expected temporarily, the future outlook is favorable. Current demand is being satisfied through the allocation method recently adopted by producers.

Creosote Oil—Available stocks are short at present under a heavy demand that has wilted inventories. While it will take some time to restore production to anything like normal, the supply situation for this material does not look good even when production is resumed as buying orders are said to be sufficient to more than take output for the remainder of the year.

Cresylic Acid—No improvement in the supply situation was recorded last week. Demand was active and unsatisfied for tricresylphosphate, plastics and disinfectant production. Importations last week included 831 drums.

Naphthalene — Crude naphthalene has remained exceedingly scarce while consuming demand has shown no apparent easement. Makers of phthalic anhydride have kept supplies under pressure but could use a lot more naphthalene than has been shipped. Refined grades are also definitely scarce with plenty of orders for balls and flakes to be filled.

Phenol — Inventories of synthetic have been lowered and natural was distinctly short. It is possible that stocks of synthetic may be stretched over the steel strike gap to the resumption of normal production but that will depend upon the extent of demand in the meantime.

Pyridine — Commercial grade was available and commanded more interest from the iron and steel mills, where it is used as pickling agent. Refined is used for the same purpose and for the manufacture of sulfa drugs.

Toluol — Continued available for shipment with inquiries filled promptly. Demand was fairly active for solvent use in lacquers, paints and synthetic enamels. There was a more active inquiry for dyestuffs and intermediates. There are 17,692,000 gallons of toluol available from government sources for new uses and for export. These stocks are located in various parts of the country.

Xylol — Short supplies have held this market in a tight position. Stocks were insufficient to meet demand before the steel strike and the cutback in production has kept inventories at a very low level. Considerable inquiry in the market is unsatisfied.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Hydrogenated Solvents

Supply situation has remained favorable enough to permit prompt shipments Demand has not been of an urgent character and so far there has been no vivid reflection of steel strike influences. It appears as though the cutback in soap production has reduced the consumption of cyclohexane, methylcyclohexane and cyclohexanol for solvent uses. Cyclohexanone has found a fair outlet as a solvent in cellulose esters and various natural and synthetic resins.

Coaltar Acids

Anthranilic — Remained tight and firm. Shipments were confined chiefly to regular users in the dyestuff and chemical trades. The rapid absorption of output at present has prevented resale material from reaching the market.

Cleve's — Regular consumers have been able to cover requirements but stocks remained relatively low which made new buying a difficult problem.

Fumaric—Maintenance of heavy demand for plastics and synthetic resins has kept considerably ahead of production and the market has not relaxed from its former tight position. Inquiry was also reported active for use in foodstuffs and intermediates.

Gamma—Only about enough stock around to meet requirements of regular consumers. Steady absorption of output has made it difficult to increase inventories at this time.

Maleic — Consumption in plastics, synthetic resins and paints has kept production under pressure and left the market practically bare of surplus material. The supply situation remained definintely tight.

Other Intermediates

Anthracene — While stocks have been lowered, there seemed to be enough material available to meet requirements. Buying interest was somewhat more active for use in the manufacture of intermediates and for insecticide and fungicide purposes.

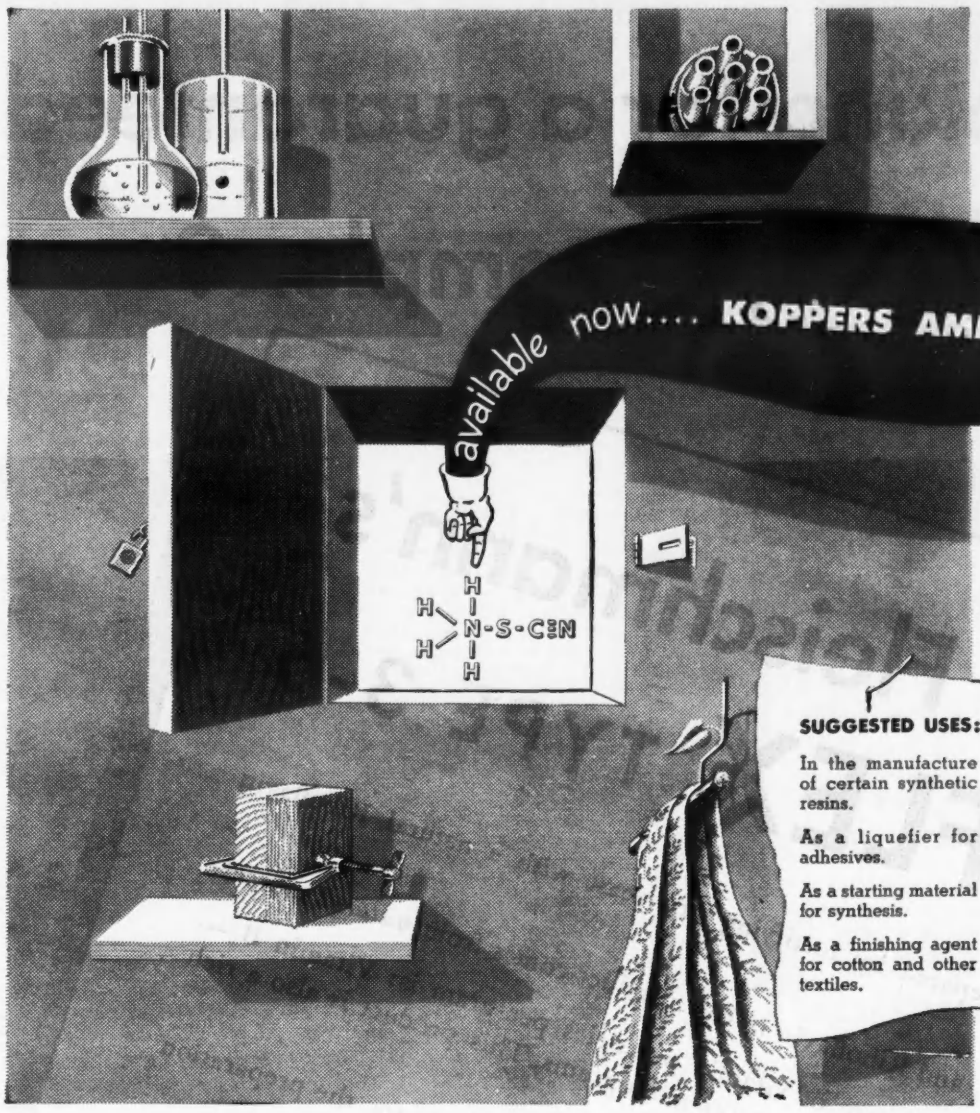
Anilin—Market situation showed less stock available with miscellaneous demand more active. Production has been lowered but will improve when the benzol supply becomes easier.

Cresols—Inventories of all varieties too low to meet consuming demand at present. Stocks down with production leaving market supply in exceedingly tight condition.

Phthalic Anhydride — There has been no sizable shrinkage in the demand for this intermediate either for enamel-type finishes or ester-type plasticizers. Production has been cutback by the stringency in crude naphthalene and the market has retained a very tight position.

Resorcinol—Regardless of the badly disturbed labor situation, consuming inquiry has remained close to normal all month. A stronger demand is expected to develop with improvement in labor conditions but in any event, the supply situation appears able to

For Late Market Developments, See Page 6



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Coaltar Colors

Buying interest was reported active, possibly not as active as earlier in the month when the tendency was to increase current commitments under fear of steel strike influences. The direct, acid, and vats commanded the most attention. There was also a broad export inquiry which cannot be satisfied until more dyestuffs are made available. Production is on a larger scale and is expected to increase unless difficulty is experienced in securing essential intermediates.

Coke, Vanadium Oxide Plants Up for Sale

OPD Washington Bureau

The War Assets Corporation has offered for sale or lease a by-product coke plant at Chattanooga, Tenn., operated by the Tennessee Products Corporation, Kingsport, Tenn., and a vanadium oxide plant at Monticello, Utah, operated by the Vanadium Corporation of America, New York.

The coke plant has a rated capacity of 128,000 tons of coke a year. Twenty Wilputte coke ovens and auxiliary equipment will carbonize 1,000 tons of dry coal a day in addition to handling by-products.

At the vanadium oxide plant there are nineteen manufacturing buildings on a site of 186 acres, the largest being the leaching building, with 12,000 square feet of floor space. Forty-seven houses, mostly small units, are included.

Koppers Expands Technical Service Organization

The Koppers Coal Division of the Eastern Gas & Fuel Associates, Pittsburgh, has expanded its technical service organization by appointing Charles H. Sawyer as research engineer and Paul J. Stein as industrial service engineer. Mr. Sawyer will coordinate his new work with that of the Koppers stoker coal research laboratory, which he has directed for some time.

Chemical Research In Forests Urged

The woods of northeast America hold fabulous industrial potentialities which only await research to give them actuality, Robert S. Aries, research associate of the Polytechnic Institute of Brooklyn, said at a session of the two-day meeting of the Northeastern Wood Utilization Council in Boston last week.

Dyes, tonics, insect repellents, perfumes, flavoring extracts, decay inhibitors, gums, alcohol dena'urants and textile sizes can all be extracted from trees, Mr. Aries said. Mr. Aries added that besides the well-known maple syrup, the forests of the northeast could supply the country with birch oil, juniperberry oil, sassafras oil, cedarwood oil and Canada balsam.

FTC Dismisses Complaint Against Paperboard Ass'n

The Federal Trade Commission has issued an order dismissing without prejudice its complaint charging National Paperboard Association, Chicago, and its officers and member manufacturers with a combination to eliminate price competition, restrict production and monopolize the manufacture and sale of paperboard and paperboard products.

The complaint also was dismissed without prejudice as to Frederick G. Becker, Inc., Chicago, and its officers, who were charged with participating in the conspiracy. The commission entered its order disposing of the case after it had given consideration to the respondents' petition and motion to dismiss the complaint.

Calco Names Tailby Personnel Manager

Roland V. Tailby has been appointed personnel manager of the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J. Mr. Tailby, assistant personnel manager since going with the company in 1944, has been acting manager for the past several months.

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Drugs and Fine Chemicals

Nothing disturbed the generally firm and reasonably active market for drugs and fine chemicals last week. Makers of products derived from coaltar welcomed the settlement of the steel strike, an event that should ulfimately restore the movement of basic raw materials to the manufacturers of medicinal and industrial products derived from coaltar. Shipments into and out of the Metropolitan area were resumed when tug boat crews went back to work pending arbitration of differences with the owners. It was but natural that some optimism regarding the future would result from the favorable trend of management-labor relations.

The new and higher price schedules for castor oil went into effect February 18 as provided for in the recent order of the Office of Price Administration. During the period, the Commissioner of Narcotics declared that the provisions of Registrants Mimeograph 41 of August 5, 1941, were still in effect and have not been modified in any way. The failure of the Bureau of Narcotics to renew the purchase quota system for wholesalers in 1946 had given rise to some misunderstanding.

The Bureau of Mines report concerning quicksilver operations in 1945 indicated that production in this country dropped 7,088 flasks in 1945 and California continued to be the largest producer. In the future, statistics on quicksilver will be issued quarterly instead of monthly as had been the custom of the Bureau since September, 1939.

Menthol failed to decline further, but the market was competive. The situation in tartar products was still one of sharp competition offered by importers to domestic makers. Officially new and higher strychnine prices had still to be announced. All minor alkaloids were in very tight position and most quotations mean little for those with firm orders to place in a market low in supplies. Production of penicillin was reported to have gone up to 800,000,000,000 units per month, but output was still behind need.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
205.8	205.8	206.1	231.6

(For Current Prices see page 9)

Acetophenetidin — Steady call was the rule in a market clear of unusual activity, but comparing well with the consumer requirements reaching the producers in recent weeks.

Acid, Acetylsalicylic—Domestic production will be mainly sufficient to cover home requirements. Increase of supplies to the point where potential foreign buyers stand a chance of getting goods remains to be achieved.

Acid, Benzoic—The steel strike did nothing good so far as the manufacture of this acid was concerned. The output of raw material decreased, of course, and benzoic acid manufacturers had to depend on their individual stockpiles of that article to keep production moving.

Agar—Domestic production is about meeting home requirements, but how long output in home waters can continue once the Japanese reenter the international markets will have to be decided by the event.

Atropine — The market was tight. Former sellers have withdrawn. Raw material recently underwent a price advance.

Berberis—No general distribution of this group could be found locally. Nor were there any even tentative prices put forth as a market guide. It was understood that some goods have been quoted recently on a per ounce basis—against the formerly general practice of selling by the pound.

Brucine—Much dependence must be placed on imported material since former domestic manufacturers in some instances are no longer in production. Present needs were reported conservative in size.

Butyl Acetate — Holding steady at the present time and selling well in keeping with the requirements of the much larger number of consumers now dependent on domestic producers for an adequate supply.

Castor Oil — The new and higher prices for castor oil are:—USP, tanks, 14.30c. per pound; No. 3, tanks, 14c. These prices became effective February 18 and reflected the higher prices that have to be paid to get beans in the Brazilian market. The drums, carlot price has become 15.80c. for USP oil and 14¾c. for the No. 3 technical grade.

Arrivals here of castor beans from Brazil totaled 3,517,200 pounds, bringing the total arrived since January 1 to 35,076,450 pounds. This compares with 41,250,050 pounds arrived during the corresponding period in 1945.

Codeine—The provisions of registrants Mimeograph 41 dated August 5, 1941, requesting limitations on sales of codeine to retail dealers, practitioners, and institutions, pursuant to a single order form, are still in effect and have not been modified in any way. The belief that these limitations need no longer be observed may have arisen, in part, as the result of the Bureau of Narcotics in not renewing the purchase quota system for wholesale dealers in narcotics for the calendar year of 1946. Manufacturers of tax-exempt narcotic preparations who use more than 25 ounces of narcotics during a year have been placed under purchase quotas for 1946, but it was not deemed necessary to continue purchase quotas for wholesale dealers for the current year. This information was provided by the commissioner of narcotics.

Codliver Oil—Demand was very good. High vitamin oil—of a potency in excess of minimal USP specifications—was in relatively low supply, but better than fair-sized quantities of minimum USP oil was available in the local market and the supply was well distributed. Imports totaled 1,396 drums from Iceland.

Creosote Carbonate — The demand has shown some curtailment.

Dibutyl Phthalate—The tank price of this material is now minimum at 16c per pound, this being a slight decline from previously minimum quotations. Subsiding demand of a sort stemming directly from the special needs of wartime has turned the market in favor of buyers. Prices continued to range very broadly. One producer quoted no less than 20.9c in tanks.

Emetine—Production of this item has been crippled by the home manufacturers' inability to get sufficient raw material to process. Brazil is manufacturing emetine and is in a position to dictate prices since the producers in that country encounter virtually no competition from producers here. It is almost impossible to name a prevailing price for this market. Brokers venture the opinion that the market is somewhere around $55 per ounce. Most former makers in this country make none and quote nothing.

Fishliver Oils—Except that fair quantities of minimum USP codliver oil are available, this market lacks general stocks of fishliver oil to merchandise on new orders. Production in sight is said to be well sold ahead and business done is at ceilings.

San Francisco, Feb. 20.—Market very quiet here, with little trading reported due to lack of supplies. This situation has remained unchanged for many months.

Glycerin—Propaganda being fed the public via the radio is frank in declaring that soap is going to be very scarce. Scarcity of soap means limited recovery of crude glycerin and insufficient production of refined and other kinds of glycerin. The market prevails strongly at ceilings. During the past week, 400 drums of refined glycerin reached these shores from Liverpool, Eng. When refined material is imported here from England, where fats and oils are supposed to be woefully scarce, then the article must be very short indeed in this market. Two hundred drums were

For Late Market Developments, See Page 4

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for the account of a synthetic resin manufacturer.

Chicago, Feb. 20—Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17¼c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars; 18¼c., drums, carlots; 18¾c., drums, less than carlots.

Iodine and Iodides—Demand reported to be good. Volume up to normal experience and business done under exceptionally well-stabilized prices. Ample stocks of crude iodine reported in store.

Menthol—The spot market lacked more than routine activity. Stocks in local warehouses covered consumer requirements and the latter were supplied under the influence of a slightly more competitive spot market. However, open quotations lacked change.

Mercurials—In the main, demand was routine with excellent emphasis being laid on corrosive sublimate and calomel. Oxides were in reduced request as compared with the wartime peak, but the total of transactions was still good.

Methanol—The market appeared to be steady to firmer. Supplies of synthetic material were meeting with a good volume of requests. Stocks of natural methanol were conservative and yet nothing at this time would encourage an expansion of the already much reduced operations of the wood-burning plants.

Milk Powder—Buying operations for the account of UNNRA appear to have decreased some. At least, reports of such business are fewer from Federal agencies. There is still a very large call for the article and no surplus stocks exist.

Milk Sugar—The need continued large and the factory output of producers was reported to be well engaged ahead. Prices were very firm in a market almost totally devoid of competition.

Morphine—Requested limitations on sales of morphine to retail dealers, practitioners and institutions, pursuant to a single order form, are still in effect. They have not been modified in any way, according to the commissioner of narcotics. For details, see market report on codeine.

Penicillin—Although production totals are definitely much larger than they were last Fall, both domestic and worldwide requirements run ahead of output and thus continue to result in a strong market position. One estimate of the present total production is 800,000,000,000 units per month.

Quicksilver—Total production in 1945 was 30,600 flasks, according to the Bureau of Mines. Imports during the year totaled 71,598 flasks and exports were but 1,037 flasks. Consumption was 63,900 flasks. Stocks at the end of December were: Metal Reserve, 63,638 flasks; consumers and dealers, 17,000 flasks; producers, 3,243 flasks. Sources of imported metal were: Canada, 1,720 flasks; Chile, 750 flasks; Honduras, 23 flasks; Mexico, 13,083 flasks; Peru, 185 flasks, and Spain, 55,747 flasks.

San Francisco, Feb. 20.—Little activity was reported in the quicksilver market here this week. Stocks are low and production is off. Very little spot metal is available. Producers are quoting metal between $101 and $104 per flask, f.o.b. this city.

Santonin—Most factors report good prospects for sales this year because of the need to maintain and even increase animal meat production. Signs of a possible increase in wormseed production in the interest of santonin manufacture have suddenly developed in the direction of Washington State.

Salicin—The market still remains clear of supplies but there is reason to expect that production abroad will be resumed as the willow-basket industry revives in Belgium.

Strychnine—Although higher price ceilings were granted a long time ago to the leading suppliers of this article at this time, said producer has yet to announce a new selling schedule. The apparent quotations at this time appear to mean little or nothing.

Schieffelin & Co. Elects Kennedy Research Head

James C. Kennedy, jr., has been elected chairman of the executive committee in charge of research and development for Schieffelin & Co., pharmaceutical manufacturer, New York. He has been a director of the company for seventeen years.

T. P. Taylor Company, drug store chain in Kentucky and Indiana, will spend $60,000 for expansion of the chain in Louisville, Ky.

Penicillin Supply Less Than Demand

Although the United States is producing an estimated 800 million units of penicillin each month, there is not enough to met the demand, according to Dr. Robert D. Coghill, associate director of the Abbott Laboratories, Chicago, who last week lectured at the University of Buffalo.

Penicillin production is now four times as great as during the war, Dr. Coghill said, but supply is scarce largely due to heavy export and to wider variety of dosage forms. We are exporting 40 percent of our production, he said.

Universal Trading Corp. Founder Honored

More than 400 guests were present at a farewell party for K. P. Chen, founder and director of the Universal Trading Corporation, export and import, New York, held recently in the Essex House Hotel, that city. Mr. Chen is scheduled to return to China at the end of February.

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Italy-U.S. Trade Now In Private Channels

OPD Washington Bureau

American importers may now place orders for Italian products directly with Italian producers and conduct their own arrangement for payment, transportation and delivery. This is in accord with the established policy to restore trade with private channels as soon as possible. The Reconstruction Finance Corporation's subsidiary, the U. S. Commercial Company, has discontinued the acceptance of orders from American importers for Italian export.

War Assets Corp. Survey Ordnance Equipment

OPD Washington Bureau

Some equipment, machinery and construction material in approximately twenty-five ordnance plants will have to be demolished or junked as a result of contamination by chemicals in the manufacture of explosives and ammunition. The War Assets Corporation is making an exhaustive study to determine the condition of the buildings and equipment, as well as the adjacent areas, used in war production of explosives and ammunition.

Netherlands Blocked Accounts Freed

OPD Washington Bureau

The order freezing Netherlands blocked accounts has been rescinded by the Treasury Department. By amending General License No. 95, to include the Netherlands, the release of these blocked accounts is provided for through the certification procedure already in effect for French, Belgian, Norwegian and Finnish assets. The Netherlands government has designated the Netherlandsche Bank as the certifying agent under the license.

Concord Chemical Moves

The Concord Chemical Company, Philadelphia, has moved its offices from 2551 Kensington avenue to the Public Ledger building, Independence Square.

Burlap Bag Makers Get Additional Burlap

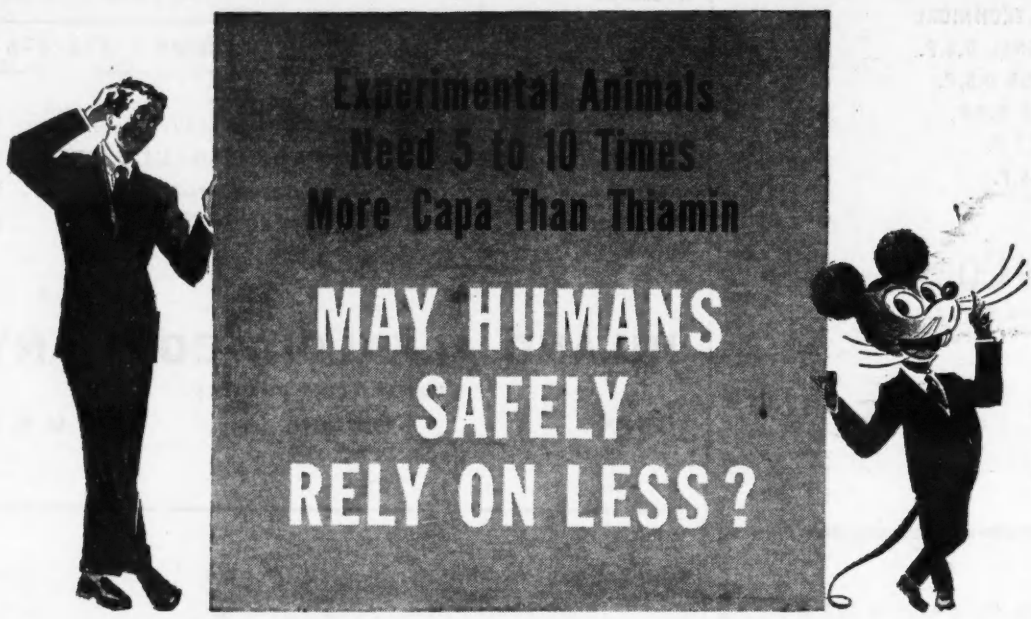
OPD Washington Bureau

As a result of changes in the provisions of the burlap control order, an additional allotment of approximately 23,000,000 yards of burlap will be made available to manufacturers of burlap bags in the present quarter, the Civilian Production Administration has announced.

This new allocation will raise the total approved allotment of burlap to the bag industry to slightly more than 220,000,000 yards for the first quarter. The Civilian Production Administration expects that the actual yardage of burlap that will be available to the industry in the quarter will be considerably higher than this 220,000,000-yard figure. Very little of the supplemental allocation of 50,000,000 yards that was authorized November 30, 1945, was delivered in time to be used in the fourth quarter of 1945. The bulk of this supplemental yardage should be available for cutting into bags in the current quarter.

Research Vice-President

Dr. Donald B. Keyes, formerly director of the office of production, research and development of the War Production Board, and formerly head of the chemical engineering division of the University of Illinois, has been elected vice-president in charge of research of the Heyden Chemical Corporation, New York.



Though the actual human requirement for "Capa" remains uncertain, published experimental evidence strongly suggests that *truly effective* vitamin therapy requires a liberal amount of "Capa" in any multi-vitamin formula. Five animal species are known to require approximately five to ten times more "Capa" than thiamin. And — equally important — "Capa" deficiency, from species to species, is known to impair the function of heart, kidneys, stomach, intestines, skin, nervous system and certain glands—a variety of symptoms indicating strongly that Pantothenic acid is fundamental to life itself.

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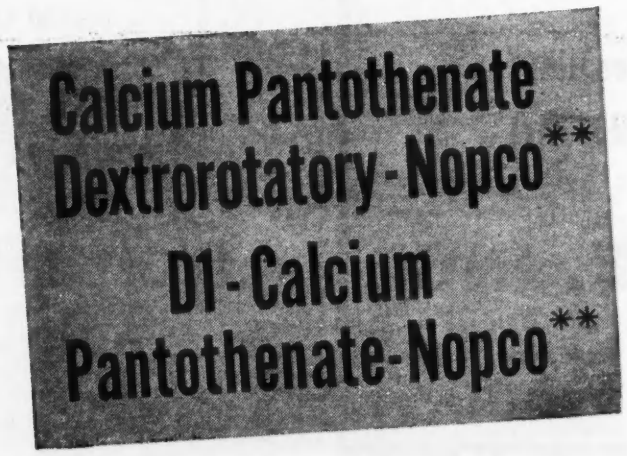
IMPORTANT—NOPCO also offers Beta-Alanine, important ingredient in pantothenate production.



Corporation Earnings

Continental Can Co., Inc.

	1945	1944
Net income	$11,067,560	$15,644,985
Per share	1.86	2.12

Devoe & Raynolds

Net income	794,981	642,234
Per share	1.37	1.00

Owens-Illinois Glass Co.

	1945	1944
Net income, year, Dec. 31	$8,799,807	$8,135,355
Per share	3.30	3.66

Udylite Corp.

Net income, year, Dec. 31	259,712	215,729
Per share	.65	.54

Union Bag & Paper Corp.

Net income, year, Dec. 31	1,646,467	1,584,013
Per share	1.30	1.25

Professional Services

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(For further details see listings in OPD Green Book.)

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Di Cyan & Brown
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The Edwal Laboratories, Inc.
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Dr. J. Ehrlich
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Orthmann Laboratories, Inc.
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Advanced by du Pont

C. H. Doherty, jr., has been appointed production manager of the ammonia department of E. I. duPont de Nemours & Co., Wilmington, Del., to succeed J. L. E. Cheetham, retired. Mr. Doherty started with the company in 1918 and was named assistant to Mr. Cheetham in 1937.

S.D. Garst Joins Staff Of Bjorksten Laboratories

Stephen D. Garst has joined the staff of the Bjorksten Laboratories, Chicago, as a chemical metallurgist. Mr. Garst, who was previously connected with the Chrysler Corporation, received a BS degree in chemical engineering from the University of Iowa in 1931, and an MS in metallurgy the following year. After graduation he worked for the Federal government and as a chemical engineer and metallurgist for the Socony Vacuum Oil Company, New York.

Rheem Mfg. Co. Elects Curran to Board

William E. Curran has been elected a director of the Rheem Manufacturing Company, steel barrel and drum manufacturer, Richmond, Cal. He has been vice-president in charge of the company's manufacturing activities since 1943.

Colgate-Palmolive-Peet Names Market Research Head

Dr. Harry D. Wolfe has been appointed director of marketing research for the Colgate-Palmolive-Peet Company, pharmaceutical manufacturer, Jersey City, N. J. Robert O. Fernald has been named his assistant.

Penn Salt Establishes Retirement Program

Pennsylvinia Salt Manufacturing Company, Philadelphia, has established a company-financed retirement program which will affect all employees in both the parent company and four subsidiary companies.

Trade Briefs

Research Institute of America has named Raymond Zindle director of merchandising.

George Durgin, Boston representative of Ledule Laboratories is first vice-president of the recently formed Northeast Poultry Industry Associates, Ipswich, Mass.

Mathieson Alkali Works' pamphlet describing the steamer developed for continuous open width processing of cotton and rayon fabrics is available at the company's offices, 60 East Forty-second street, New York.

L. B. Laboratories Inc., Hollywood, Cal., is constructing a laboratory in West Hollywood, at a cost of $75,000.

Alexander Drug Company, Tulsa, Okla., has added a fourth floor to its building, redecorated the entire first floor and istalled new equipment.

James Ferguson, long associated with the General Box Company, Chicago, as sales and production manager of the Kansas City office, has been made sales manager. Mr. Ferguson, who is to be located in Chicago, will work directly with N. A. Fowler, director of sales and research.

ADMA Annual Meeting In Virginia May 6-9

The thirty-fourth annual meeting of the American Drug Manufacturers Association will be held May 6-9 at the Cavalier, Virginia Beach, Va. The first general session will be held at 9 a.m., May 7, and the annual dinner will be held the following evening.

The guest speaker at the scientific session, scheduled for May 6, will be Dr. John C. Krantz, jr., professor of pharmacology at the University of Maryland school of medicine. His topic will be "Anesthesia—A Tide in the Affairs of Man."

Sheffield Decorated

Major Thomas C. Sheffield, son of L. Tracy Sheffield, president and treasurer of the New England Collapsible Tube Company, Chicago, recently was decorated with the Legion of Merit by General of the Army H. H. Arnold, formerly commanding general of the Army Air Forces.

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Glass Fibers, Inc., Formed in Toledo

A new glass company, Glass Fibers, Inc., has been organized in Toledo, Ohio, with Randolph H. Bernard former director and executive vice-president of the Owens-Illinois Glass Company, also Toledo, as president and general manager. The company will manufacture, by a new patented process, a line of staple glass fiber products as well as glass wool.

Associated with Mr. Bernard are Harry O. King, president of the Munson Line Inc., New York, as chairman of the board, and Gordon W. Reed, chairman of the board of the Texas Gulf Production Company, as vice-president and treasurer.

Dr. Joseph Paynter Holt, former associate professor of physiology at the University of Louisville, has joined the medical department of Standard Oil Company (New Jersey) as a specialist in toxicology. He will be responsible for original research in the biological effects of toxic substances.

Joins Heyden Chemical

DeWitt Thompson, formerly an assistant general manager for the Mathieson Alkali Works, New York, has joined the sales department of the Heyden Chemical Corporation, New York. Mr. Thompson, who served forty-six months in the Navy, where he reached the rank of Commander, will cover Maryland, Pennsylvania and Western New York. He is a former president of the Salesmens' Association of the American Chemical Industry.

Swiss Wartime Prices

Prices of chemicals and related materials in Switzerland quite naturally showed the effects of war's interference with supplies. Not in all instances, however, was there a steady upward movement over the war period: some prices reached their peak around 1942; some few even were lower in 1945 than they had been before the war.

The following comparisons of prices in 1938 and in 1945 (in United States currency, are taken from data got from Geneva by Givaudan-Delawanna, Inc., New York:—

	1938	1945
Acetaldehyde	$0.11	$0.15
Acetanilide	.27	.45
Acetic anhydride	.11	.22
Acetone	.08	.23
Alcohol, absolute, industrial	.06	.34
Aluminum chloride	.10	.23
Ammonia water	.02	.03
Anthranilic acid	.50	.96
Benzoic acid	.26	.59
Benzol	.04	.18
Benzyl chloride	.13	.55
Bergamot oil	3.63	11.00
Boric acid, anhydrous	.06	.34
Butyl alcohol	.10	.31
Calcium chloride	.01	.03
Carbon tetrachloride	.06	.34
Castor oil	.07	.31
Caustic potash	.06	.13
Chlorine, liquid	.02	.06
Chloroform	.22	.42
Citric acid	.23	.76
Diethyleneglycol	.21	1.00
Dimethyl sulphate	.14	.26
Ethylene oxide	.18	1.03
Formaldehyde	.07	.12
Formic acid	.10	.17
Glycerin	.14	.34
Lavender, spike, oil	1.28	2.78
Mace oil	1.95	9.00
Methanol	.06	.15
Methyl salicylate	.23	.23
Muriatic acid	.01	.02
Nitric acid	.03	.05
Nitrobenzene	.08	.25
Oleic acid	.08	.22
Orangeflower oil	115.00	658.00
Phenol	.14	.76
Phosphorous trichloride	.19	.31
Phthalic anhydride	.12	.41
Pyridin	.92	2.41
Soda ash	.02	.03
Sodium bisulphite	.03	.06
Sodium sulphate	.06	.06
Stearic acid	.12	.22
Sulphanilic acid	.11	.23
Sulphuric acid	.01	.03
Toluol	.06	.22
Zinc chloride	.07	.10
Zinc dust	.16	.13

Pharmacy Foundation Sponsors Survey

The American Foundation for Pharmaceutical Education has authorized an extensive survey to determine educational procedures that would better prepare pharmacy students to take their place in the drug trade and in industry.

The survey, the direct result of a request to the Foundation from the American Association of Colleges of Pharmacy, will be conducted by the American Council of Education. It will take more than two years and will cost approximately $100,000, which will be borne by the Foundation.

Ohio Oil Company, Cleveland, has elected O. F. Moore vice-president, and named him manager of the pipeline department.

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WHOLE, NATURAL
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POWDER OR IN OIL
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Chemical Workers Decreased in December

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted an 8.4 percent drop from November to December, according to the Bureau of Labor Statistics. At the end of the monthly period, employment was 8.3 percent above the corresponding level of 1944. Payrolls showed a gain of 0.9 percent from November to December, and stood 29.1 percent below the corresponding level for 1944.

The Bureau of Labor Statistics index numbers for factory employment in the chemical group of industries for December was 153.4 (100 equals 1939 average), compared with 154.3 for November and 215.4 for December last year. For payroll totals the index number was 258.9 for December and 377.9 for December last year.

The bureau's general index numbers for all manufacturing industries for November showed the following comparisons:—

	Dec., 1945	Nov., 1945	Dec., 1944
Employment	121.6	121.6	163.8
Payroll	215.5	212.5	336.8

Employment in the chemical group of industries was 25.3 percent above the average of all industries. Payroll totals were 20.1 percent above the general average for industries. Labor statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment		
	Dec., 1945	Nov., 1945	Dec., 1944
Quarrying and non-metallic mining	83.6	85.0	79.5
Crude petroleum production	90.0	86.7	82.1
Dyeing and cleaning	119.9	120.6	114.5
	Payroll totals		
	Dec., 1945	Nov., 1945	Dec., 1944
Quarrying and non-metallic mining	154.4	163.2	143.5
Crude petroleum production	141.3	142.8	131.7
Dyeing and cleaning	196.9	193.5	176.6

Detailed Comparisons

Employment

(100=1939 average)

	Dec., 1945	Nov., 1945	Dec., 1944
Chemicals	163.2	159.0	166.0
Cottonseed oil	128.0	135.7	134.0
Drugs, medicines, insecticides	177.2	175.3	181.6
Explosives and safety fuses	277.3	338.0	1,288.5
Fertilizers	118.3	110.7	114.4
Paint, varnishes and colors	114.8	112.6	106.8
Petroleum refining	130.9	131.0	124.7
Rayon and allied products	119.6	117.9	112.3
Soap	100.1	100.1	100.3

Payroll Totals

(100=1939 average)

	Dec., 1945	Nov., 1945	Dec., 1944
Chemicals	268.6	260.8	291.1
Cottonseed oil	279.6	305.8	289.3
Drugs, medicines and insecticides	276.1	268.7	272.1
Explosives and safety fuses	474.2	527.6	1,969.5
Fertilizers	256.1	240.2	249.8
Paint, varnishes and colors	178.1	174.7	170.7
Petroleum refining	213.6	218.1	214.9
Rayon and allied products	194.7	188.9	180.1
Soap	168.9	161.9	172.9

WAC Consumer Goods Report for Dec. Filed

OPD Washington Bureau

The War Assets Corporation has announced that of all consumer goods sold in December, 1945, more than 80 percent (based on original value) were disposed of through public sales. Federal agencies and non-Federal tax supported institutions each took an additional 7.5 percent of the total property sold.

Chain Drug Stores Ass'n Convention Set for June 10

Reservations are now open for the annual convention of the National Association of Chain Drug Stores to be held June 10-12 at the Manor Richelieu, Murray Bay, Canada. They can be made by contacting F. J. Griffiths, secretary of the Association.

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Textile and Leather Chemicals

Conditions in the textile and leather chemicals market underwent little change during the week. Consuming inquiry was keen for most materials and trading was restricted because of the limited supplies. This was especially true of tanstuffs. Tanners continued in the market for nearby requirements, but business was quiet as recent offerings were readily absorbed and additional commitments were not forthcoming from points of origin. Inquiry was keen for divi divi, but producers were not offering. Interest in myrobalans also was active. Offerings of quebracho extract for shipment were limited with reports from production centers stating that the bulk of quotas have been sold up. Supplies of wattle bark and extract were reported scarce at points of origin and few offerings for shipment were expected during the next two months.

Trading in sizing materials was restricted owing to the scanty supplies. The strike which has shut down three large plants in the West during the past five weeks continued to reduce production. It was reported that discussions were held with the strikers early in the week, and there was the possibility that the strike may be settled shortly. Receipts of corn at mills showed further increases during the week. The call for potato starch was active against former contracts. Consumers also were seeking to place orders for forward requirements, but production was sold up and offerings were light. Small lots of tapioca flour arrived from Brazil during week for delivery on previous contracts.

Civilian Production Administration has reduced the quantity of wool fabrics to 70 percent that producers may set aside for coat and suit materials to sell at or below $3 per yard. The previous set-aside order stipulated 85 percent. CPA said that 70 percent of specified wool fabrics will total about 14,000,000 yards in the first quarter of the year. About 13,100,000 yards have been ordered into clothing, so that a reserve of 900,000 yards is provided, the agency stated.

Imports of leather during November were valued at $2,732,000 and for the eleven months ending the same month in 1945 were $20,966,000 compared with $13,885,000 for the same period the previous year.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
299.4	299.4	310.5	285.7

(For Current Prices see page 9)

Chemicals

Alumina Acetate—Market remains steady, with consumers taking fair-sized lots on former orders. Prices were well held.

Bichromates—This market continued in a firm position, with demand exceeding supplies. Withdrawals against contracts were taking the bulk of the production. Export demand was keen, but shipments were still far below foreign requirements. Quotations were firm at ceilings.

Sulphonated Oils—Higher ceilings for castor oil have strengthened the sulphonated grades, though makers have not as yet advanced quotations of the latter. Demand for castor and other oils continued urgent but trading was restricted owing to light supplies of the basic materials.

Soda Hydrosulphite — Consumers were absorbing sizable lots against order. New business was fair. Prices were steady.

Zinc Dust—Market was steady and unchanged. Demand was moderate for prompt and nearby delivery.

Dyestuffs

Annatto — Small quantities were moving at current levels. Supplies were light and firmly held.

Cochineal—Market was quiet and business was restricted owing to small supplies on spot.

Madder—There was little doing in this material. Limited supplies were quoted at former levels.

Sizing Materials

Albumen Blood — Consuming inquiry was reported improved for nearby delivery. Withdrawals against orders continued at a good pace. Available stocks were adequate to meet the current demand. Prices were unchanged. Demand for dried soluble blood was fair and mainly for actual needs.

Albumen Egg—While inquiry was active for spot delivery, trading was light owing to the scarcity of supplies on the spot. Interest in March delivery also was keen. Market was steady at ceilings.

Dextrin Corn — Trading was dull and affected by the scarcity of supplies. The strike at leading processors plants continued to restrict production and deliveries against orders. Mills in production were unable to cover the needs other than their regular trade. Market was firm at ceilings.

Egg Yolk — Trading was quiet, though inquiry was fairly active during the week. Supplies on the spot were low and closely held at ceilings. Inquiry was keen for delivery during the next two months when the flow of this season's production begins to show material gains. Prices were firm at ceilings.

Starch Corn—Strikes were still in effect early in the week, and continued to affect production. Discussions with strikers were under way and it was reported that the strike may be settled shortly. Production of mills in operation was sold up and deliveries were limited to customers. Corn receipts have increased at mills during the past two weeks. Visible supply of corn increased 2,225,000 bushels for the week ended February 16 to 20,213,000 bushels, compared with 17,988,000 bushels a year ago, the first time in months that the corn supply was larger last year.

Starch Potato—Steady demand continued for all positions. With production sold well ahead, offerings were limited for nearby and forward positions. The call for delivery against former orders was still urgent.

Tapioca Flour—Conditions in this market were quiet and steady. Business was inactive owing to lack of supplies. Arrivals totaled 4,000 bags from Brazil during the week for delivery against prior contracts.

Tanning Materials

Chestnut Extract — Supplies were limited and closely held at ceilings. Demand was active with trading restricted to small quantities.

Divi Divi—Tanners continued to show an active inquiry for prompt and nearby requirements, but offerings from producing centers were scarce and business was quiet. Firm conditions featured this market with buyers seeking supplies.

Hematine Extract — Trading was moderate. Deliveries against former orders were in good request. Prices were well held at ceilings.

Mangrove Bark—This market was steady, though business was slow owing to the lack of offerings. Prices were unchanged and well held.

Myrobalans—Consumers were in the market for nearby shipment. Scarcity of offerings for shipment continued to affect business during the week. Consumers were in the market and showed an active inquiry for nearby and forward requirements. Quotations were firm and unchanged.

Quebracho Extract—Producers continued to limit offerings for shipment. An active demand for European account was said to have taken considerable quantities at higher levels than U. S. ceilings.

Wattle Bark—Active demand for bark and extract absorbed all recent offerings at ceilings and tanners were in the market for additional quantities. Offerings for shipment continued scarce and trading was quiet. Market was firm at ceilings.

For Late Market Developments, See Page 4

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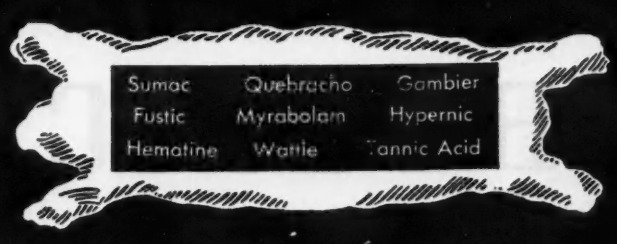

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Botanical Drugs, Spices, Gums

Price strength in the market for medicinal botanicals was pre-eminent last week. All changes were to higher levels, the market totally lacking price reductions in medicinal plants. In condimental items, the price trend was mainly downward, a movement caused by increasing competition from foreign markets whose merchants come here seeking the most prized item in the repertory of any foreign merchant—the American dollar.

Detentions by order of the Food and Drug Administration continued to play a prominent part in the determination of spot values. These detentions not only create shortages, but even aid in maintaining shortages already existing. The latest addition to items advanced because of scarcity created by such detentions was rhubarb. Ergot is another. And Spanish saffron is a third. There are plenty of others.

Advices from foreign parts carry hope that exports to the United States will resume next Summer, but express little conviction that the hope will be realized. Given an improvement in transportation facilities, more progress toward exporting botanicals again may be achieved than now seems likely. Yet, there should be thousands of persons who will turn to drug collection in the absence of other occupation.

Domestic workers in the southern mountains are not likely to be numerous. High wages in industry have ruined many of the hill folk for ever again engaging in the back-breaking work of drug collection, however high collectors may set prices to the gatherers. If anything like a normal domestic production be achieved next Summer, the result will smack of the miraculous, in the opinion of those who need stocks so badly.

Balsams

Copaiba—Demand of light caliber prevailed locally. Stocks were smaller than the demand. The market was virtually nominal.

Tolu—Much of the balsam recently arrived on this market has been under engagement to consumers prior to its reaching here. The market was as strong as ever.

Barks

Cinchona—It seems probable that at least some users of this bark will continue to satisfy their needs by purchasing Central American material. But the next major development in this item will be the resumption of exports from the Netherlands East Indies.

Cocillana—Passing of Winter is reducing demand for this very scarce bark. The season has been very active and all needs would not be readily supplied.

Soap—A very strong spot market prevailed with prices lacking further change, but tending upward strongly. The situation in Chile remained entirely opposed to substantial prompt exporting of the item. It appears also that Chile is manufacturing saponin and exporting that.

Beans

Calabar—The only firm offerings were of goods in a future arrival position. No time of arrival was set; such things are highly indeterminate today.

Vanilla—A good demand prevailed, but stocks were conservative and much of the present local supplies were understood to be for the account of buyers on contract. It appears likely that 1946 will find the market here definitely undersupplied unless France shall change her present scheme and allocate further stocks to the United States.

Berries

Juniper—Prices looked up. Ordinary quality was quoted at 50c. per pound; regular quality, 58c.; and handpicked material, 70c. Ordinary berries to arrive were quoted at 44c. There was an inquiry for prices on black juniper berries from India.

Market Trends

Prices Advanced

Drugs

Belladonna leaves, 10c. per lb.
Gualac resin, 2c. per lb.
Juniper berries, 6c. per lb.
Rhubarb, 10c. per lb.
powdered, 10c. per lb.
Saffron, Spanish, N.F., $3 per lb.
Mexican, 40c. per lb.

Other Articles

Mustard seed, Calif., Brown, ½c. per lb.
Poppy seed, Dutch, ½c. per lb.
Sage, Cyprus, good, 2c. per lb.
Greek, 1c. per lb.

Prices Reduced

Drugs

None

Other Articles

Caraway seed, Canadian, 1c. per lb.
Danish, 1c. per lb.
Dutch, 3c. per lb.
Morocco, dewhiskered, 8c. per lb.
natural, 2c. per lb.
Coriander seed, Argentine, ½c. per lb.
Morocco, ½c. per lb.
Peru, ¼c. per lb.
Cumin, Persian, ½c. per lb.
Mustard seed, Danish, yellow, ½c. per lb.
Paprika, Chilean, ½c. per lb.
Poppy seed, Danish, ½c. per lb.
Swedish, ½c. per lb.
Thyme, Spanish, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
277.0	274.9	268.6	240.2

(For Current Prices see page 9)

Raspberries—Very firm and increasingly difficult to obtain in local circles. In some quarters, any quotation would be virtually nominal. Relief cannot come earlier than the marketing of the 1946 crop.

Flowers

Arnica—Much reason exists to hope for an excellent collection this year. There is not much chance that Europe will resume its substantial exportation and the main reliance of consumers will probably be on domestic goods.

Elder—The carryover will be comparatively small this year and major efforts toward stimulation of greater collection activity will be undertaken as early as possible.

Saffron—Some Mexican saffron became available on spot at $1.60 to $1.65 per pound. Few hold any on spot at this time. Spanish saffron went to $41 to $42 per pound, reflecting the recent detention of substantial quantities by order of the Food and Drug Administration because the goods failed to meet N.F. requirements.

Gums

Benzoin—Although several attempts have been made to contact shippers of Sumatra gum, they certainly have not resulted in any material being despatched to this country. The same goes for Siam gum. He who first receives a shipment from Sumatra will find buyers lined up at the door—it was said by former importers.

Karaya—The call was very steady and the quantities needed built a nice volume of trade by the close of last week. The atmosphere of firmness in the market was quite pronounced.

Mastic—Eventually, shippers will probably bring their price views within reach of local importers. At the moment, no business can result.

Sandarac—Selling has been reasonably active when goods were available and the principal suppliers indicated last week that ceiling prices were the basis for practically all transactions.

Herbs and Leaves

Belladonna—The market was higher at $1.25 to $1.30 for USP leaves and it appeared to be steadily gaining gaining strength as supplies shrink. Replenishment must await another crop.

Coltsfoot—Firm offerings at 72c to 75c per pound continued to be made and while the supply was not large, the at present not especially active request was satisfied on that basis.

Peppermint—Most dealers doubt that the highly favored German leaf of past years will be available for export from Europe next Summer. But a real effort to bring such leaves over is even now under way.

Sage—Good quality Cyprus sage when released, may be had at 26c to 26½c per pound—a rather sharp advance for this item. And Greek sage

For Late Market Developments, see Page 4

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was also held for the higher value of 29c to 29½c.

Senna—News from India continued adverse and pointed toward probable rise in quotations. Local sellers have become rather reserved. During the week, 41 bales of siftings arrived here from Liverpool.

Miscellaneous

Cantharides — Dealers have none. One who received a small shipment recently said it was owned by a consumer months before the shipment reached here. An indication of some importers' price views may be gained from the fact that some recently arrived Russian flies were alleged to be held for $7 per pound.

Ergot—The market was undersupplied. More merchandise was detained because of its being filthy on arrival here; the quantity was 100 cases—which is not exactly small change in the ergot market. Any substantial buying would raise prices abruptly, it was said. At the moment, however, the demand market was quiet.

Kamala—The market was further confirmed by additional transactions taking place at 53c to 55c per pound, according to quantity.

Lycopodium—It is believed that in some way the Russians will make it possible to export Polish lycopodium to this country this year. Domination of the import trade by the Russians is in store, judging from recent successful Russian domination in the import of the produce of countries under their protection.

Roots

Alkanet—Unavailable for a considerable length of time, this item was quoted spot last week at 85c to 90c per pound. The prewar price was 11c.

Angelica—From Antwerp, Belgium, came 16 bales of this root. Its description was lacking, but most anything would be welcome. There has been little European natural root and no twisted root available here for a long time.

Gelsemium — Unobtainable for a long time, this root was offered spot last week at the price of 39c to 40c per pound. And there was so little to be had that the price tendency was definitely upward.

Jalap—Some relief from insfficient spot stocks was the result of the arrival of 150 bags of this root from Vera Cruz, Mex., last week.

Rhubarb—Dealers groaned about the large quantities of this root that have been detained on arrival here by order of the Food and Drug Administration. No USP root is expected soon from China. Only Indian root is now available.

Seeds

Caraway—Prices continued to work downward. Canadian seed was down to 52c to 53c per pound; Danish, 52c to 53; Dutch, futures, 55c to 56c; Morocco, natural, futures, 42c to 43c; dewhiskered, 50c to 51c; Syrian, dewhiskered, no stocks. Competition gains steadily.

Cardamom—News from the primary market was of the strengthening sort and local quotations were slightly firmer toward the close of the past week.

Celery—Some Indian seed now afloat to this market was offered at spot prices—22c to 22½c per pound.

Coriander—Morocco seed was shaded to 9c to 9½c per pound. Argentine seed was down to 8½c to 9c, and Peruvian was off to 9¼c to 9¾. In some respects, conditions favored buyers.

Cumin—The sole change came in the price of Persian seed, which became cheaper at 35½c to 36c per pound under competition.

Mustard — California brown seed continued its recent advance. The market closed at 14½c to 15c per pound last week. Danish yellow was shaded to 23½c to 24c.

Poppy—Dutch seed was reduced to 38c to 38½c per pound. Danish was available at the same quotation, and Swedish was lowered to 37c to 37½c.

Sesame—Nicaragua seed was slightly more reasonable at 15½c to 16c per pound, which was much under Brazilian prices but still above East African seed at 15c to 15½c.

Spices

Ginger—Prices for African futures were around 13c. per pound, but buyers' views were not in excess of 11c. London appeared endeavoring to establish a 13c. market. Spot was 14c. to 14½c. per pound as a quotation, but

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Gum Myrrh	1 oz.
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Capsicum	1 oz.
Sassafras Oil	½ oz.
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Lyons Drug Co., 1906

(To be continued)

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

CRUDE BOTANICAL DRUGS
TRADE *From Forty Nations* MARK

sellers were disposed to avoid selling under 15c. if possible.

Paprika—No stocks of choice pepper from Chile were reported. Some good quality pepper was quoted higher at 36c. to 36½c. per pound while fair was held for 32½c. to 33c.

Pimento—Activity on spot was limited to comparatively small lots, but the supply situation was such as to keep quotations subject to very steady undertones.

Markets at Other Centers

Los Angeles, Feb. 20.—Demand for botanicals was fairly good this week, but supplies were short. Market tone firm. Prices remain unchanged. Prices are:—

Marjoram—French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was quoted at 65c. per pound. Leucophylla was named at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

New York Imports

ACID, CRESYLIC—131 dms, H A Gogarty, Inc
50 dms, Koppers Co, Inc
100 dms, F H Faunce, Inc
550 dms
AMMONIAC SAL—20 cs, Lo Curto & Funk
ANGELICA ROOT—30 bls, S B Penick & Co
26 bls, Peek & Velsor
20 bls, R J Prentiss & Co
15 bls, Eli Lilly & Co
ASPHALT, GILSONITE—248 bgs, Brooklyn Trust Co
REFINED—2,379 bbls, Barber Asphalt Co
BALL CLAY—10 tons
BALSAM—6 dms, Kachurin Drug Co
5 dms, R J Prentiss & Co
BLUE, LAUNDRY—6 bbls, A De Ronde & Co
BONES—534 bgs, 53,400 lbs, Philadelphia National Bank
BROWN EARTH COLORS—224 bgs, C J Osborn & Co
BRUCINE—10 cs, Lo Curto & Funk
CALCIUM HYPOPHOSPHITE—4 cs, Augier Chemical Co
CARAWAY SEED—33 bgs, 4,290 lbs, W E Martin & Co
CARDAMOM SEED—100 tins, W E Martin & Co
26 cs, 2,600 lbs, W E Martin & Co
71 cs, 7,100 lbs, Knickerbocker Mills Co
CASTOR BEANS—17,850 bgs, 2,587,500 lbs. Baker Castor Oil Co
5,598 bgs, 839,700 lbs, Spencer Kellogg & Sons
CHALK, PRECIPITATED—550 bgs, H J Baker & Bro
1,050 pkgs, H J Baker & Bro
CHINA CLAY—84 bgs, English China Clay Sales Corp
75 cks, English China Clay Sales Corp
598 pkgs, Orbis Product Corp
CHROME ORE—4,736 tons, 1 cwt, 1 qr, 20 lbs, E J Lavino & Co
CINNAMON—26 bls, 2,600 lbs, C T Wilson & Co
149 bls, 14,900 lbs, Catz American Co
COBALT—157 cks, African Metal Corp
1 cs, African Metal Corp
METAL—220 cks, African Metal Corp
OXIDE—222 cks, African Metal Corp
COCA LEAVES—120 bls, Maywood Chemical Works
COCOA RESIDUE—1,600 bgs, Monsanto Chemical Co
1,913 bgs, Maywood Chemical Works
1,597 bgs
COLORS, DRY—17 kgs, American Express Co
COTTON LINTERS—30 bls, Cowa & Co
23 bls, Felix Leutz
DYES, ANILIN—11 kgs, Carbic Color & Chemical Co
1 cs, Carbic Color & Chemical Co
4 dms, Ciba Co
EUPHRASIA—5 bls, S B Penick & Co
FERRO TITANIUM—9 dms, J W Hampton, Jr, Inc
FULLERS EARTH—500 bgs, L A Salomon & Bro
FILTER PAPER—8 cs, H Reeve Angel & Co
GASOLINE—68,397 bbls
GLUE—7 dms, British West Indies Co
GLUESTOCK—497 bls, H Remis & Co
147 bls, J Garvers
GLYCERIN, REFINED—200 dms, Reichhold Chemical, Inc
200 dms, Manufacturers Trust Co
GUM, CHICLE—282 bls, Chicle Development Co
28 bls, L A Dreyfus & Co
LOCUST BEAN—200 bgs, Stein, Hall & Co
NISPERO—24 bls, L A Dryfus & Co
PERILLO—57 bgs, H A Astlett & Co
GYPSUM, GROUND—269 bgs, Whittaker, Clark & Daniels
HONEY—55 bbls, General Import Distributors, Inc
17 dms, H A Gogarty, Inc
500 cs, Hoole Service Co
840 cs, Bluefries, Inc
100 dms, R C Werling Co
10 bbls, Merit Food Co, Inc
372 bbls, M Golodetz & Co
440 cs
310 dms
200 bbls
ILMENITE ORE—8,900 tons, National Lead Co
IPECAC ROOT—18 bgs, S B Penick & Co
IRISH MOSS—17 bls, S B Penick & Co
IRON OXIDE—32 cks, J Lee Smith & Co
JUNIPER BERRIES—484 bgs, S B Penick & Co
180 bgs, United States Commercial Co
241 bgs, Amtorg Trading Corp
JALAP ROOT—25 bgs, R J Prentiss Co
23 bgs, French Forwarding Dept
11 bgs, F W Berk & Co
91 bgs
LECITHIN—2 cs, W A Cleary Corp
LICORICE ROOT, POWD—292 bgs, Amtorg Trading Corp
LIQUIDAMBER—2 dms, S B Penick & Co
MANGANESE ORE—2,000 tons, Carnegie Illinois Steel Corp
4,267 tons, United States Commercial Co
MANGROVE BARK—2,493 bgs, Irving Trust Co
MICA—84 cs, United States Commercial Co
MINT EXTRACT—4 cs, Davis & Lawrence
MOLASSES—1,000 tons, W R Grace & Co
MUSK SEED—6 bgs, L Champon
MUSTARD SEED—329 bgs, Becker Mayer Seed Co
112 bgs, Public National Bank & Trust Co
264 bgs, Ertag Bros
OIL, CARAWAY—2 cs, Polaks Frutal Works
CITRONELLA—10 dms, W J Bush & Co
10 dms, Harold A Sothern
1 dm, Van Ameringen & Haebler
5 dms, Norda Essential Oil & Chemical Co
6 dms, R Bertrand & Justin Dupont
COD—50 cks, Bowring & Co
42 dms, Scandinavian Oil Co
119 dms, Scandinavian Oil Co
52 cks, F W Damon
141 dms, Atlas Refining Co, Inc
CODLIVER—1,156 dms, Peder Devold Oil Co
240 dms, Vitamins, Inc
110 bbls, American Friends Service Committee
98,770 bbls, Mexican Petroleum Corp
188,364 bbls, Standard Oil of N J
CORIANDER—100 cs, Amtorg Trading Corp
LEMONGRASS—1 dm, Norda Essential Oil & Chemical Co
1 dm, Orbis Product Corp
RED—241 dms, Colopax Exploration Co
SHARK—3 bbls, J V Dorn & Co
SHARK LIVER—20 dms, Distillation Product, Inc
ORANGE PEEL—490 bgs, Transmarine Mercantile Corp
PEPPER, WHITE—639 bgs, 93,060 lbs, Netherland Indies Product Co
PAPRIKA—100 bgs, 14,000 lbs, L & R Millin
POPPYSEED—63 bgs, 8,190 lbs, Knickerbocker Mills Co
278 bgs, 36,140 lbs, Levy & Levis Co
125 bgs, 16,250 lbs, A G Dunn
188 bgs, 24,440 lbs, W S Scarlett Co
188 bgs, 24,440 lbs, P H Petry & Co
188 bgs, 24,440 lbs, J Spitz & Co
63 bgs, 8,190 lbs, Balex Co, Inc
POTASH CHLORATE—600 cs, Innis, Speiden & Co
QUICKSILVER—95 flasks
RADIUM—2 cs, Radium Chemical Co
RAPESEED—110 bgs, Hershey Co
RESIN—240 bgs, New York Trust Co
ROSIN—2,019 cs
SAFFRON—10 bgs, S B Penick & Co
SENNA SIFTINGS—41 bls, Irving Trust Co
SESAME SEED—334 bgs, Judson McLeon Co
1,167 bgs, Archibald & Kendall
360 bgs, Levy & Levis Co
2,730 bgs, Seaman, Heyman & Co
SHARK LIVERS—35 bbls, J V Dorn & Co
SIENNA EARTH, BURNT—32 bbls, United States Commercial Co
SODA, CAUSTIC—100 cs, Bergstrom Trading Corp
HYPOPHOSPHITE—4 cs, Angier Chemical Co
SULPHITE—20 kgs, Davies, Turner & Co
SPATHIC ORE—14 cks, Lever Bros
TANKAGE LIVER—278 bgs, 27,800 lbs
TAPIOCA FLOUR—2 711 bgs, 379,540 lbs, Stein, Hall & Co
1,291 bgs, 180,740 lbs, Geismar & Co
TARA—727 bgs, Asher, Kates & Co
THEOBROMINE—209 cs, National City Bank
THEODOLITE—1 cs, Colopax Exploration Co
TUNGSTEN ORE—80 bgs, Philipp Bros
785 bgs, British Supply Mission
ULTRAMARINE, BLUE—222 cks, Standard Ultramarine Co
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20 bgs, Catz American Co
40 bgs, Duncan, Fox & Co
CARNAUBA—16 bgs, E A Bromund Co
60 bgs, Wax & Rosin Products
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Essential Oils, Other Aromatics

A revision in the ceiling price for sandalwood oil provided the outstanding development in the market for essential oils and aromatic chemicals last week. The OPA has permitted an increase in the ceiling for Mysore sandalwood to the basis of $9.52 for 25-pound tin containers. The new price takes into consideration the higher replacement costs for the material at the source. The supplies of sandalwood oil have been tight for some time, and spot stocks were practically depleted in recent weeks. The market will have to await the arrival of sandalwood now afloat before much relief can be expected. The difficulty in securing adequate shipping from primary centers has been one of the largest single retarding factors.

Despite the clear cut decision in favor of importers of Ceylon citronella handed down recently by the United States Customs Court, the government was believed to be exercising its prerogative to appeal the case. This action may delay the duty status of citronella for some time. Trading already had been slowed down for a long period, pending the government's contention that the material arriving late last year was diluted with kerosene and as such was a compound subject to a higher duty. Some consumers, who wanted to purchase citronella, were only able to do so by paying the cost plus duty under duress.

In aromatic chemicals a few tight spots continued to plague the market. Vanillin remained the outstanding scarce material, with production lagging behind the demand for some time. Artificial ambrette and ketone musk were still on an allocated basis. Improvement was noted in phenylethyl alcohol and coumarin. Ionones were in a slightly better position. Citronella compounds were unobtainable in view of the raw material situation.

Market Trends

Prices Advanced

Lemon oil, terpeneless, $2 per lb.
Pennyroyal, oil, 10c. per lb.
Sandalwood, oil, Mysore, $2.52 per lb.

Prices Reduced

Cardamom, oil, 50c. per lb.
Citronella oil, Ceylon, 5c. per lb.
Ginger, oil, dist., $1 per lb.
Orange oil, Brazil, 5c. per lb.
Calif., 10c. per lb.
Rue, oil, 25c. per lb.
Storax, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
222.6	216.1	216.1	210.6

(For Current Prices see page 9)

Essential Oils

Angelica—Trading was narrow in this direction, with business held to a minimum because of prevailing high prices for domestic and imported material.

Anise—Offerings of star Chinese were confined to occasional small lots. The Russian rectified was available in limited quantities. Price for Chinese ranged from $3.65 to $5.50, according to sellers ceiling, and the Russian remained at $4 per pound.

Bergamot—No word was forthcoming regarding new shipments from Italy. In the interim spot offerings were reported as sufficient to take care of consumers' nearby needs. Prices were firm.

Bois de Rose—Supplies were not too plentiful, although spot position of the market was regarded as more satisfactory than for some time. Prices ranged from $5.25 to $7 per pound.

Calamus — Usual consumers made purchases for routine requirements. Prices ranged from $20 to $24 per pound.

Cardamom—Quotations were slightly lower, ranging from $16.50 to $18 per pound. Consumers' interest was not especially large, and spot offerings were adequate to take care of the regular trade.

Cassia—A total of 27 drums of technical cassia oil was detained at the Port of New York last week. It was still difficult to locate any sizable spot offerings, since material has been slow in reaching the East. Prices based on sellers' previous ceilings ranged from $10.75 to $14 per pound.

Citronella—While the trade reacted favorably to the custom court's decision on Ceylon citronella permitting the material to remain duty-free, indications were that the government would appeal the decision. If so, it was reported, the status of citronella would not be made clear for some time. Trading in the market had been retarded many weeks pending the decision, and some consumers desiring material made purchases on a cost plus duty basis. Spot offerings ranged from $1.65 to $1.75 per pound.

Eucalyptus—Sellers made offerings on a restricted basis because of the tight spot position of the market. Replacements have been lacking in quantity for some time, and reserves were low. Prices firm.

Geranium — Stocks of Bourbon were not too large, and offerings were somewhat limited. Quotations ranged anywhere from $17 to $22 per pound.

Ginger—Offerings were made in one quarter of the market at $11 per pound and ranged to $12.50 per pound. Supplies were adequate to cope with the demand.

Lavender—Replacements were not sufficient to bolster the spot position of French lavender oils, and prices were held at firm levels. The position of Spanish spike remained tight, with quotations unchanged.

Lemon—The much talked about government surplus stocks have not reached the market so far as could be learned. The 300,000 pounds, which will be allocated to the trade, had to be repacked and is undergoing further testing before being released. Quotations for the terpeneless were higher, ranging from $42 to $50 per pound.

Lemongrass — Spot prices ranged from $2.95 to $3.85 per pound, based on the higher replacement costs from primary sources. The position of the market was reported as tight, despite arrivals in recent weeks. It was indicated that most of these shipments were absorbed upon arrival.

Lime—Prices for West Indian and Mexican grades of distilled lime held firm, with business on a moderate scale. Stocks of expressed were not large, and prices were very firm.

Neroli—Small lots of French were offered ranging from $250 to $300 per pound, while Haitian was available at $195 to $200 per pound.

Orange—Quotations for Brazilian were slightly lower at $1.30 per pound, while California was obtainable at $1.55 per pound. Stocks were only moderate, and business of a routine character.

Pennyroyal—The position of the market continued tight, the few spot offerings were made at higher prices, ranging from $3.35 to $3.55 per pound.

Rose—Offerings of natural oil were confined to small lots. Replacements from important primary sources continued confused. Prices ranged from $31.25 to $44 per pound, according to sellers' ceiling.

Rue—Offerings ranged from $4.75 to $5.25 per pound. Interest in the market lacked any expansion, and stocks were not too large.

Sandalwood—The OPA ceiling price for Mysore sandalwood was lifted to the basis of $9.52 per pound in 25-pound tin containers. Spot offerings were negligible at the moment, although it was indicated that material was afloat, and expected to reach here shortly. The higher replacement costs and shipping difficulties were factors in retarding business.

Spearmint—Domestic offerings were adequate to take care of all inquiries. Sellers continued to operate on a cost basis in view of the low ceiling prevailing.

Thyme—The market awaited the arrival of material from Spain to fill orders on hand. A shipment of 1,000 kilos was reported to be on the way.

Vetiver—Bourbon continued in limited supply at prices ranging from $37 to $40 per pound. Haitian was quoted at $30 per pound.

Ylang-Ylang—A moderate quantity of bourbon was available to provide for consumers' nearby needs. Quotations for extra grade ranged from $21 to $24.50 per pound, while first

For Late Market Developments, See Page 4

was listed at $19.50 per pound; second, $14.50 and third ranged from $8 to $9.50 per pound.

Aromatic Chemicals

Anisic Aldehyde—Quantities were available to meet current demand. Prices unchanged.

Benzyl Compounds—There were adequate stocks of benzyl alcohol, benzoate and chloride to meet requirements, while the position of benzyl cinnamate, propionate, formate and salicylate have shown improvement. Prices rule firm.

Cinnamic Aldehyde—Some tightness still prevailed as sellers were endeavoring to catch up on back orders.

Citral—High raw material costs have been a detrimental factor in the market, although supplies have been coming through more steadily.

Citronellol—Prices were withdrawn in the absence of any citronella from Java and the outlook remained obscure.

Coumarin—Position of market continued to improve gradually as shipments were improving. Prices firm.

Geraniol—The shortage of raw material and unsatisfactory ceiling combined to preclude any sizable production.

Heliotropin—Prices held at previously established levels. Supplies and general position of market improved.

Hydroxycitronellal—Quotations withdrawn in view of the raw material situation. Small lots were obtainable at prices as high as $22 per pound.

Ionone—Various ionones were in a tight position, reflecting the conditions prevailing for lemongrass. Prices fully maintained at the higher levels recorded recently.

Musk—Ambrette and ketone displayed little improvement, with business allocated. Stocks of xylol were in a better position. Prices unchanged and firm.

Phenylethyl Alcohol—Shipments reported slightly improved, but production continued restricted.

Storax—Price reduced to the basis of $1.10 to $1.15 per pound, reflecting the availability of the material.

Vanillin—A tight supply situation remained as production failed to keep pace with the broad demand. Shipments were on an allocated basis to regular consumers. Prices unchanged.

Synthetic Aromatics Output Retarded in Switzerland

Synthetic aromatic chemicals production in France and Switzerland is being delayed greatly by continuing shortages of raw materials, according to Andre Givaudan, of Givaudan-Delawanna Inc., New York, who arrived in this country recently from Geneva.

Coal is practically non-existant, Mr. Givaudan said, and many Swiss plants are burning wood at this time. Shipping continues extremely tight, he said, and, although France is importing aromatics from the United States, there is still great difficulty in obtaining import licenses.

During the war, chemical research in Switzerland was devoted almost exclusively to substitutes of no permanent value in a peacetime market, Mr. Givaudan said. It is expected, he added, that the German heavy chemical industry will be revived under Allied control and will again supply the needs of Swiss industry for coal-tar products and other raw materials.

Mr. Givaudan and Dr. Louis Helfer, technical director at the company's Geneva organization, were guests at a luncheon which opened Givaudan-Delawanna's first peacetime national sales meeting since 1938.

At the luncheon, Dr. Eric Kunz, president, and Ralph M. Stevenson, sales manager, outlined the company's plans for new products and production facilities to serve the increased demand for synthetic aromatics which, they expected, will exceed that of pre-war years.

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PARADURA (Pure Phenolics)
PLASKON (Urea-Formaldehyde Resins)
PARAPEN (Pentaerythritol Resins)
ESTER GUMS

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PARAMET SYNTHETIC RESINS

"Let's call Paramet first"

Protective Coatings Materials

Though still painfully aware of the many material shortages temporarily barring them from full and immediate participation in the promised unprecedented prosperity in their industry, even the most phelgmatic of the American manufacturers of protective coatings and their constituents have been greatly enheartened within the past week by the resumption of operations in the steel trade and growing indications for a speedy settlement of the labor disputes in the automotive vehicle and electrical equipment fields which, together with the gigantic new building construction programs, are assuring for them the ardently desired opening of these important outlets for their products, when raw materials again become available in sufficient quantities.

On the score of the paint marketing potentialities in the building line, the protective coatings industry has also been cheered by the recent estimate of the Department of Commerce of a total of $12,500,000,000 for new construction, maintenance and repairs in 1946, as compared with a revised estimate for 1945 of $9,190,000,000, and by President Truman's announcement of his support of the plan of the new Federal Housing Administrator for the building of 2,700,000 new homes, of which 1,200,000 are to be constructed this year, all of which will require vast quantities of protective coatings.

Meanwhile, aggressive operators in the paint industry are going doggedly to work, endeavoring to get as much as possible of the relatively small amount of new business now available with the meager quantities of materials at their disposal.

Metallic Lead and Zinc

To bolster up its contention that the existing premium price quota plan, if extended so as to include virtually all producers of metallic lead, should furnish the necessary incentive for swelling domestic production of this metal to the desired extent, without recourse to the recently rejected proposal for raising ceiling prices, the Civilian Production Administration has relaxed this premium payment plan to the extent of making the newer producers equally eligible with the old producers for the government's premium payments. CPA's new ruling, which has been made retroactive to February 1, admits to the privilege of receiving these premium payments all the lead mine producers who started operating after October 27, 1943 as well as those who were operating prior to that date and who had hitherto been the sole recipients of these payments.

Despite the growing clamor for more lead with which to make storage batteries, CPA cannot yet see its way clear to granting additional allowances of lead to the makers of these batteries, without cutting down still further its allotments to the lead pigment **makers.**

The Bureau of Mines, reporting on domestic production of lead for last December, has shown an output of 31,012 short tons of recoverable lead for that month, which was 3,726 tons, or 11 percent under the monthly average during 1944. The average daily rate of production from domestic mines for that month has registered a drop to 1,000 tons, a decrease of 53 tons from the November daily output but slightly more than 1 percent above the low level of 986 tons, recorded for last July.

Prices for pig lead have continued unchanged for the week February 15-22 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Further slight improvement has been recorded of late in the output of metallic zinc at the domestic mines but the yield of slab zinc still lags somewhat behind total requirements. Quotations for zinc slabs have remained unaltered for the week February 15-22 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Titanium Dioxide — Although producers at TiO_2 continue to grant 100 percent quotas on orders from unrated consumers even while granting priority to the requirements of the U. S. Navy, the supply situation in this pigment material is still far from sufficient for meeting all needs.

White Lead—Despite the latest attempt on the part of CPA to stimulate domestic production of lead by extending the applicability of the premium payments to new as well as old producers, manufacturers of this lead pigment continue despondent over the chances for more liberal allotments of pig lead than the meager quantity to which they are now entitled, as domestic production and imports continue to fall far below the levels at which such additional allowances could safely be made to them and storage battery makers are expected to have the preference in any more liberal allowances.

Fillers and Extenders

Chalk — Moving steadily and in increasing volume into consuming channels. Latest importations have included 1,600 bags.

China Clay—Continues in moderate request, with the buying interest equally divided between domestic and imported materials. Among recent importations are 682 bags and 75 casks.

Fuller's Earth — A fairly sizable movement continues to be noted in this material. Latest importations have included 500 bags.

Gypsum—Demand growing keener daily in this material. Arrivals of 269 bags are reported. Gypsum board and lath are needed in increasing quantities for the new building construction programs. Production has increased from approximately 175,000,000 square feet in June, 1945 to about 191,000,000 square feet in November, 1945 but a further increase to 3,000,000,000 square feet is required for this year.

Whiting—In steadily increasing inquiry. Latest importations have embraced 3,974 bags.

Dry and Chemical Colors

Carbon Black—It is always a threatened feast or famine in the carbon black industry. Four years ago, inventories of channel blacks began to pile up to an alarming extent with the disappearance from the market of the largest consumers, the manufacturers of natural rubber tires. But, with the advent of the synthetic rubber tire makers into the consuming situation, stocks of channel black began to sink until, to prevent their extinction, production was stepped up mightily by government-financed additional productive capacity. Thereupon inventories began to build up rapidly. But now, despite the huge increase in production, stocks of channel blacks are once more being reduced to meager proportions, as manufacturers of automotive vehicle coatings have resumed buying on a large and steadily increasing scale while the takings of the synthetic rubber tire makers are still reaching huge proportions.

Hence recourse is being had to furnace blacks on a steadily increasing scale. It is now believed that carbon black supplies will measure up to this year's requirements of 600,000,000 pounds only if consumers are willing to employ an equal amount of furnace blacks, for which there is a potential demand for about the same amount.

Ultramarine Blue—Continues in active request, with no enduse restrictions. Latest importations have included 222 casks.

Driers and Flatteners

Naphthenates—Still being bought in sizable quantities by the paint and varnish industry. Manufacturers of these driers continue to procure adequate supplies of naphthenic acid to meet their requirements.

Market Trends

Prices Advanced

None

Prices Reduced

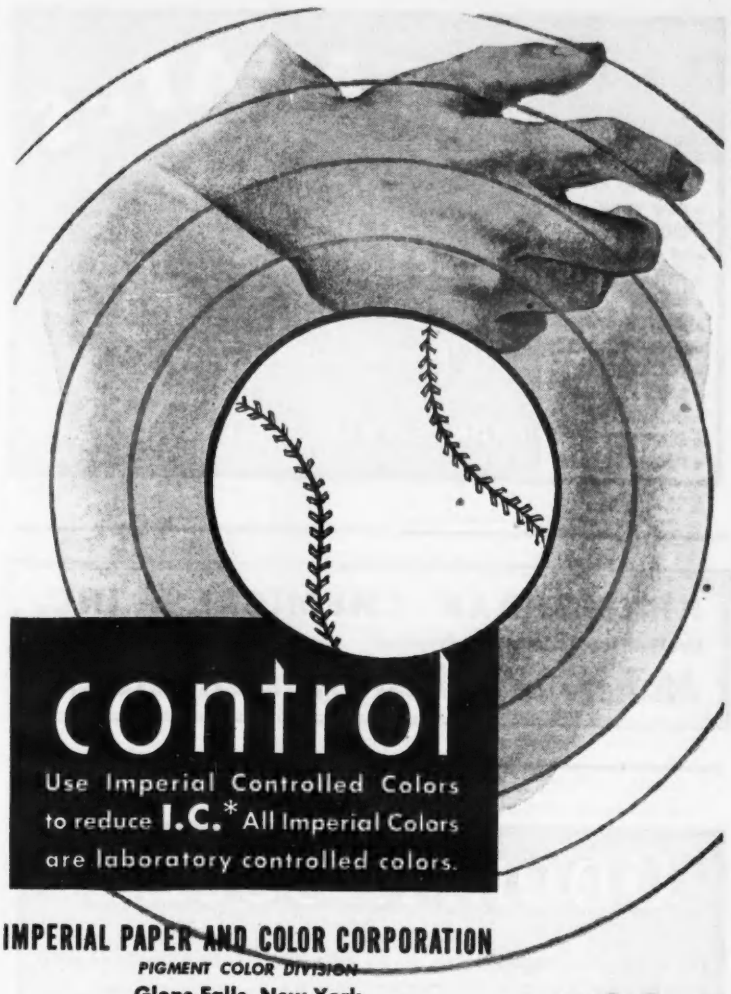
None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(For Current Prices see page 9)



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PIGMENT COLOR DIVISION
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The largest manufacturers of chemical pigment colors in America

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*I.C.
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Offshade batches
Rejections
Lost accounts

OPD—2-25-1946 65

Inexpensive Dark Resins

AVAILABLE FOR SHIPMENT IN QUANTITY

PARADENE #1, #33, #34, #35
Melting points range from 20° to 100° C. Readily soluble in petroleum and coal-tar (aromatic) solvents.

465 RESIN
Used in manufacture of adhesives, concrete curing compounds, electrical insulation, floor tile, linoleum, paints and varnishes, pipe coatings, textile coatings and in compounding of natural and synthetic rubber.
Melting point between 105° and 120° C. Soluble in aromatic solvents and partially in petroleum solvents.

NUBA #1, #2, #3X
Used in the manufacture of adhesives, box toes, ethyl cellulose lacquers, impregnations, linoleum, floor tile, sealing compounds, varnishes and in the compounding of natural and synthetic rubber.
Melting points range from 80° to 135° C. Soluble in aromatic solvents. They are cohesive and have high molten viscosity.
Used in the manufacture of adhesives, binders, box toes, briquettes, composition insulating blocks; filling, stiffening, molding and thermal insulating compounds; leather dressings, steep-roof coatings and for compounding natural and synthetic rubber.

Write for samples and booklet describing these resins.

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RECLAIMING/ PLASTICIZING, NEUTRAL, CREOSOTE, AND SHINGLE STAIN OILS

A-20

STEARATES

ZINC STEARATE
BARIUM STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE

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• NEW YORK
• CHICAGO
• ST. LOUIS
• PHILADELPHIA
• DALLAS
• BOSTON
• SHAWNEE, OKLA.
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ODORMASQUE P
For MASKING the odor of PAINTS, SOLVENTS, MINERAL TERPS, KEROSENE, INSECTICIDES, etc., at a fraction of a cent per gallon
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VULCAN *Chemical Co.* INC.
BIRMINGHAM, ALA.

Stearates—Buying interest in these flattening agents continues keen. Though some of the smaller plants are now booked to capacity, the larger ones are still able to accept new business.

Lacquer Materials

Diethyl Phthalate — Belated announcement of an advance of one and a quarter cents per pound in his prices for this material, similar to that ordered by two of the leading manufacturers at the outset of February, has now been made by a third maker, effective March 1. The prices thus revised upward are 20½c. per pound in tankcars, 21½c. in drums for carload lots, and 22c. in drums for less than carlots.

Dimethyl Phthalate—Another manufacturer of this material has joined those who announced a markup of one and a quarter cents per pound on February 1, making his newly revised prices—19c. per pound in tankcars; 20c. in drums for carlots, and 20½c. for less than carlots—effective as of March 1.

Naval Stores

Rosin—Further reflection of the recent revocation of order M-387 has been noted within the past week in such an improved movement of rosins into consuming channels as to indicate that stocks will be reduced to a minimum before the 1946-1947 season crop of gum naval stores starts to reach the market and the expected amplification of wood-rosin production becomes available.

Meanwhile, however, the supply situation in most of the products of the wood naval stores plants, including pine oil, tar oil, rosin oil, dipentene, continues tight.

The Department of Agriculture has also reported on production and consumption of rosin for the last three months of 1945 as follows:—Production, 375,801 drums, compared with 347,559 drums for the corresponding quarter of 1944. Consumption, 369,226 drums, against 439,917 drums in the corresponding period of 1944. Exports, 56,813 drums contrasted with 23,815 drums. Stocks, December 31, 1945, 479,890 drums. And the flow of gum naval stores has since then been throttled down to a mere trickle by the cold weather.

Savannah, Feb. 21.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	*Fri.
B	$6.00	$6.00	$6.00	$6.00	...
D	6.07	6.07	6.07	6.07	...
E	6.60	6.60	6.60	6.60	...
F	6.70	6.70	6.70	6.70	...
G	6.74	6.74	6.74	6.74	...
H	6.76	6.76	6.76	6.76	...
I	6.76	6.76	6.76	6.76	...
K	6.80	6.80	6.80	6.80	...
M	6.82	6.82	6.82	6.82	...
N	6.98	6.98	6.98	6.98	...
WG	7.23	7.23	7.23	7.23	...
WW	7.50	7.50	7.50	7.50	...
X	7.50	7.50	7.50	7.50	...
	Drums				
Sales	...	...	...	...	...
Receipts	...	...	35	26	...
Shipments	...	...	...	151	...
Stocks	6,768	6,768	6,803	6,678	...

* Savannah Naval Stores Exchange closed February 22 in observance of Washington's Birthday.

Turpentine—Tension in the supply situation of gum turpentine is steadily increasing. CCC stocks are now virtually extinguished and the flow of the gum from the pinetrees is so meager, because of cold-weather conditions in the producing zones, as to be almost negligible. Moreover, privately held stocks are scanty and are being steadily absorbed at the ceiling price of 83½c. per gallon at the stills as rapidly as they become available. Importations of 2,019 drums has just been reported. The export demand continues keen, but licenses cannot be obtained in sufficient amounts to satisfy it.

Production of turpentine for the last quarter of 1945, as reported by the Department of Agriculture, amounted to 121,099 drums; consumption reached 138,253 barrels (50 gallons each), compared with 130,219 barrels for the corresponding period in 1944. Exports totaled 19,367 barrels, against 10,081 barrels, and stocks on December 31, 1945, totaled 150,089 barrels.

Savannah, Feb. 21.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday	83½	...	2	53	2,894
Tuesday	83½	...	62	52	2,904
Wednesday	83½	...	...	...	2,904
Thursday	83½	...	...	159	2,745
*Friday	...	...	...	...	...

* Savannah Naval Stores Exchange closed February 22 in observance of Washington's Birthday.

Synthetic Resins

Ester Gum—Continues in spirited demand but scanty supply, chiefly for lack of adequate stocks and the relatively high cost of both gum and wood rosins and the comparatively high cost of glycerin.

Phenolic Resins — A constantly mounting buying interest in all lines of these resins continues to go largely unsatisfied because of the only partially relieved scarcity of offerings.

Varnish Gums

Copal—Aside from unconfirmed and greatly doubted reports from the

LIMEOLITH

Precipitated Calcium Carbonates

We offer a complete list of LIMEOLITH for paint, rubber, glass, cosmetics, feed and other uses. Guaranteed minimum of impurities and moisture assure easy use.

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We also furnish specially treated and extra fine grades. Write today for free samples and prices, stating requirements.

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Ultramarine Blue
Alkali Blue Toner
Dyestuffs
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DRY COLORS
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only Santocel offers flatting properties... 2 to 3 times more efficient

Weight for weight, Santocel, Monsanto's unique highly porous silica aerogel, has proved itself two to three times more efficient than other flatting agents.

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1. Santocel's refractive index is so close to that of most film-forming mediums that less haze and surface masking result than with any other agent.

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Santocel: Reg. U. S. Pat. Off.

Your request for samples of Santocel or complete technical information will be answered promptly. Let us know whether you are interested in Santocel for lacquers, synthetic resin or oleoresinous varnishes . . . for air-dried or baked finishes. Address: MONSANTO CHEMICAL COMPANY, Merrimac Division, Everett Station, Boston 49, Massachusetts.

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Metal Powders

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FOR ALL PHARMACEUTICAL, COSMETIC AND INDUSTRIAL PURPOSES

ZINC CARBONATE — ZINC STEARATE
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COPPER SULPHATE — NICKEL SULPHATE
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and Paste, all Grades

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Pale and Rich Gold, all Grades

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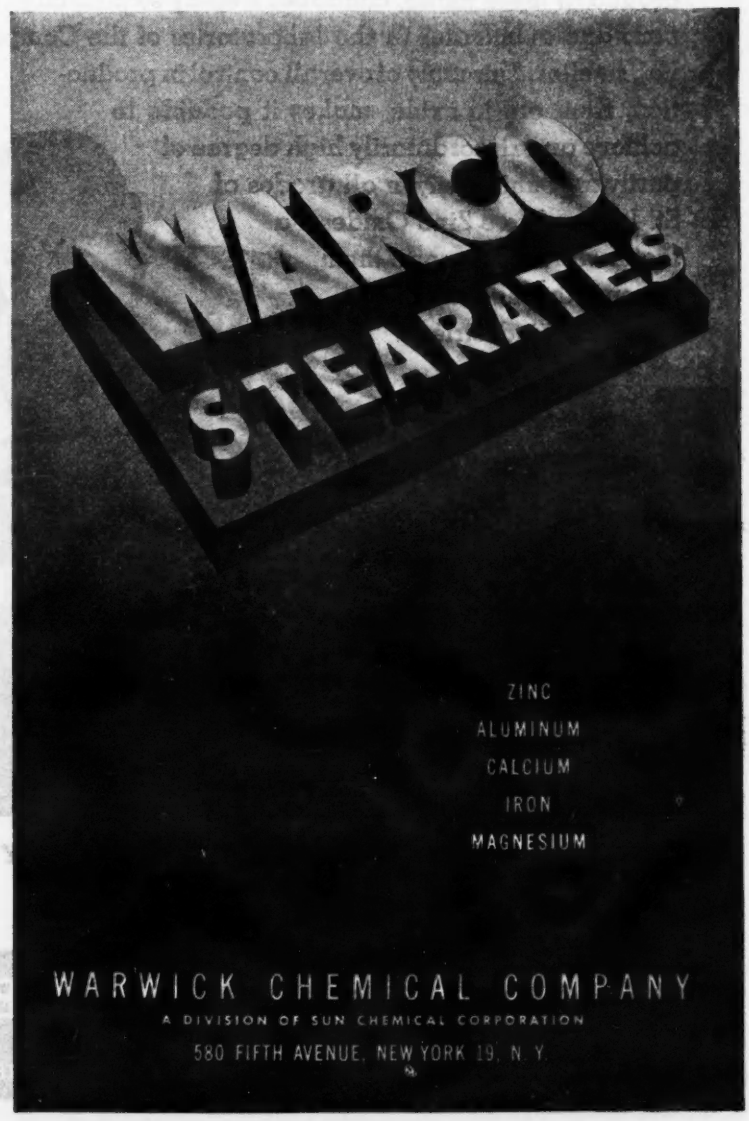


Netherlands Indies Civil Administration at Macassar in the Celebes, to the effect that "thousands of tons" of gum copal and nickel ore are now available there for export from that island, there has been no development of particular interest in the copal situation. Importers here have been unable to obtain any trace of verification for these reports; on the contrary, they have learned from their representatives in the Netherlands East Indies that there are no immediately available stocks of Macassar, Hi.oe-Macassar, Batu, or Singapore types of copal anywhere in the East Indies.

As for business in Congo copal gum, here, this is at a complete standstill and expected to continue so until new ceiling prices are established for this gum landed in the United States from the Belgian Congo by a revision of the import regulation. As virtually all cargoes which have arrived here within the last year have gone out to consumers on contracts made long before the goods got here, there are no stocks in local warehouses worthy of the name. One solitary cargo is due to arrive here at the close of this month but this, too, will have to go out immediately on old orders.

Shellac—There has been no improvement in the shellac situation, insofar as local importers are concerned, within the past week. No new offers of lac of any kind have been made from India for nearly three months and the importers here are unable to induce the operators there to make any proffers, inasmuch as the former are unable to bid more for the lac than the American price ceilings will permit. Meanwhile, bleaching operations continue to be held down by the meager character of the stocks of seedlac, T.N. and superfine still available here.

Glues and Binders

Casein—With the current demand for casein growing more insistent daily and with only meager stocks of either imported or domestic material available, local operators are virtually hamstrung. No longer able to compete with other countries in bidding for the Argentine offerings, which are being currently bought by those not so restricted by ceiling prices, since prices asked in Argentina are far above the American ceilings, these local operators can do nothing further toward satisfying customers until domestic production is swelled to sizable proportions, as it is hoped that it will be this Spring, provided that the new milk flow is as large as now seems likely and the desire to sell a big percentage in the form of dry skim milk instead of converting it into casein, is removed by a tapering off in government purchasing of the former.

Glues—Still handicapped by a scarcity of labor and high cost of gluestock, manufacturers of both hide and bone glue are forced to continue allocating their relatively small production of these glues among their customers as equitably as possible.

Chicago Paint Production Club Discusses Zinc Yellow

More than one hundred members and guests were present at the February meeting of the Chicago Paint and Varnish Production Club to hear Dr. W. S. Spengeman, of E. I. du Pont de Nemours & Co., Wilmington, Del., discuss "Methods of Formulating Zinc Yellow in Metal Primers."

Dr. Spengeman, who illustrated his talk with slides, classified the types of metal primers and outlined the methods of tests, from laboratory to actual field tests.

It was announced that the next meeting on March 5, will be the "Bring Your Boss Meeting."

Iddings Forms Own Paint Company

Dr. Carl Iddings, who resigned as president of the Prescott Paint Company, New York, last November, has

Dr. Carl Iddings

organized Iddings Paint Company, with a plant and offices in Long Island City. The new firm will manufacture and market a line of water paints.

Int'l Nickel Forms New Research Section

The International Nickel Company, New York, has opened the St. Louis technical section of its development and research division in the Ambassador building, 411 North Seventh street. The new section, under the direction of George A. Fisher, jr., will furnish technical assistance in Missouri, southern Illinois, southwestern Iowa, north Arkansas, west Tennessee, and Nebraska and Kansas.

The International Nickel Company of Canada, Ltd., has formed a development of research section at 25 King Street West, Toronto, Canada. This section of the company will be staffed by Dr. Gordon S. Farnham, A. S. Tuttle and H. J. Butterill.

Whittaker, Clark & Daniels Adds Smart to Sales Staff

Frank H. Smart, formerly of the plastics division of E. I. duPont de Nemours & Co., Wilmington, Del., has joined the sales staff of Whittaker, Clark & Daniels, Inc., paint materials, New York. He will handle the company's general line of non-metallic minerals in New York State, specializing in the plastics field.

Carpenter-Morton Co. Names Three to Posts

The Carpenter-Morton Company, Boston, Mass., has appointed Walter F. Kuster, special industrial representative; Elmer H. Kroepel, technical director in charge of laboratories; Victor M. MacNulty, associate director in charge of resin and vehicle production.

Phila. Production Club Observed Ladies' Night

More than 190 members and guests attended the annual Ladies' Night party of the Philadelphia Paint and Varnish Production Club held recently in the Ritz Carlton hotel, that city.

Linseed Oil Data: 1945

Linseed oil statistics have been issued by the Flax Institute of the United States for 1945 as follows:—

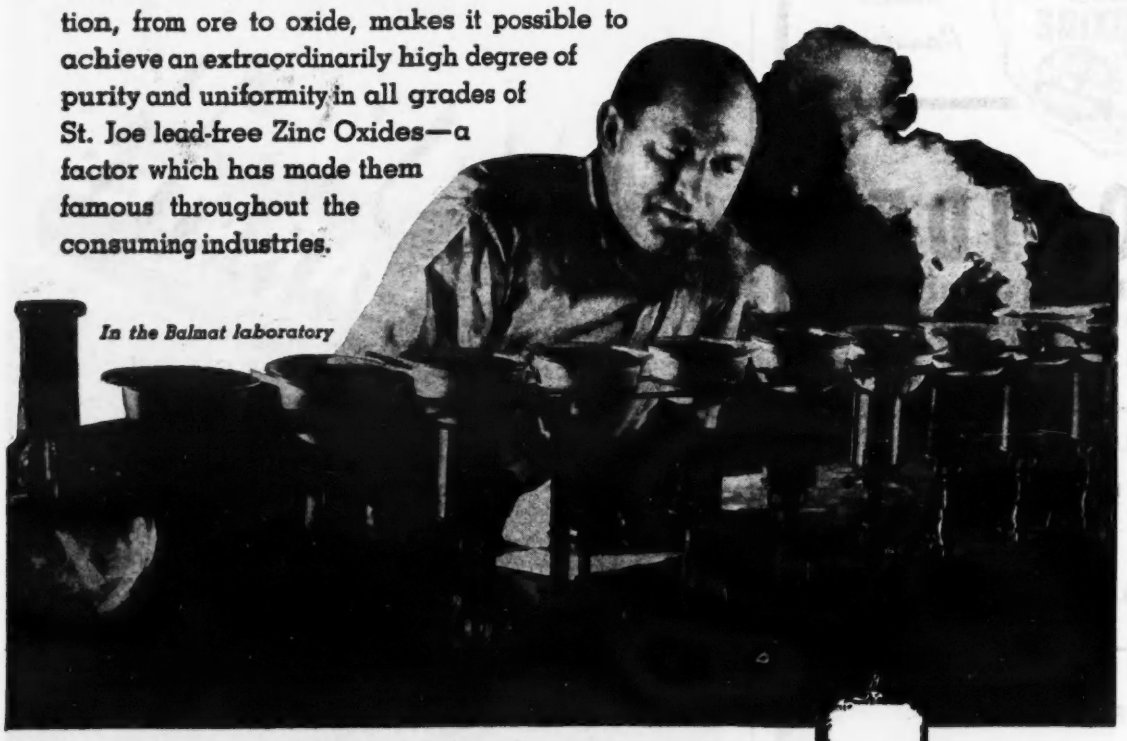
	Gallons 1946
Stocks, September 30	22,492,666
Production, Oct.-Nov.-Dec.	25,610,533
Imports not reported	.....
Total	48,103,199
Less stocks, December 31	24,007,466
Consumption, Oct.-Nov.-Dec.	24,095,733
Exports not reported.	
12 mos. consumption gals.	81,315,066
bush.	32,326,026
	1945
Quantity of flaxseed crushed in the U.S.A. of domestic and foreign origin, in bushels	26,583,537
U.S.A. crop for the years—	
Acres (harvested)	3,914,000
Production, in bushels	36,688,000
Less sowing supply, in bushels	2,000,000
For consumption, bushels	34,688,000

Alchemist —

TWENTIETH-CENTURY VERSION

Unlike his distant cousin of the Middle Ages, this man is not trying to effect a transmutation of base metal into gold. He is, however, engaged at a task which consumers of zinc oxide will appreciate.

The picture shows a St. Joe metallurgist analyzing samples of zinc ore taken from the St. Joseph Lead Company's Balmat and Edwards mines in upper New York State. It is one of the many phases in the exercise of precise metallurgical control which actually begins underground at these mines, continues step-by-step through all milling operations and culminates in the laboratories of the Company's Josephtown, Pa., smelter. This unity of overall control in production, from ore to oxide, makes it possible to achieve an extraordinarily high degree of purity and uniformity in all grades of St. Joe lead-free Zinc Oxides—a factor which has made them famous throughout the consuming industries.



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ST. JOE *Lead-Free* ZINC OXIDE

MADE BY THE LARGEST PRODUCER OF LEAD IN THE UNITED STATES

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LIGHT DARK

99% Cr_2O_3 minimum
Extra soft texture — High tinctorial strength

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NAPHTHENATE DRIERS
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Unexcelled in uniformity and stability, efficient solubility in solvents and liquids, and ease of incorporation.
Ferro Naphthenates include 8% ZINC...6% MANGANESE ...6% COBALT...24% LEAD. Prompt shipments can be made.

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"THE ORIGINAL SYNTHETIC SOLVENT MANUFACTURERS"

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ISOPROPYL ALCOHOL SUPPLIES AVAILABLE

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ANNOUNCING A NEW VARNISH OIL THAT WILL DRY HARD . . . STEP UP PRODUCTION.

The *hard dry* you demand in a varnish oil is just one of the many qualities of the new DORSCOPOL-L. To save you time and labor, we believe we have produced the most *versatile* oil on the market today. *In addition,* DORSCOPOL-L gives you:

- Excellent color
- Perfect color retention
- Fast Bodying
- Flexibility
- Solubility
- Economy
- No "sweat back" after long drying

DORSCO'S Technical Bulletin, giving constants, cooking, and pigmented data . . . along with samples . . . is yours upon request.

*PROPERTIES OF DORSCOPOL-L	
Viscosity	Z-Z1
Color (Gardner)	5-6
Color (H-K)	2
Acid Value	5-9
Gelation Time 565° F.	90 Minutes
Color retention	Excellent
Flexibility	Excellent
Solubility in hard resins	Excellent

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"Master processors of paint and varnish oils"
64 Pine Street, San Francisco 11 • Refinery at Richmond, California
AGENTS IN ALL PRINCIPAL CITIES

AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number, 171-179 mg. KOH per gram ester	
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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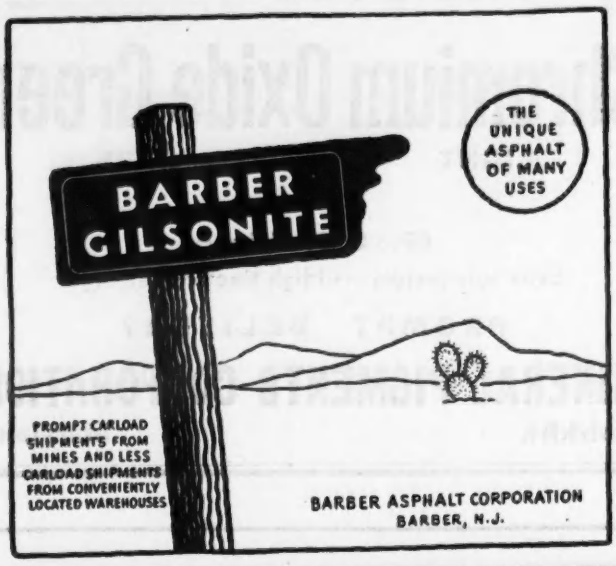
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Linseed Oil Federal Specification Proposed

The National Bureau of Standards has proposed a Federal specification for oil: linseed, heat-polymerized for paints, varnishes and enamels.

The following Federal specifications will form a part of this specification: O-A-51, acetone; TT-P-141, paint, varnish, lacquer and related materials; general specification for sampling and test methods; TT-T-291, thinner; paint, vclatile mineral spirits; LLL-T-791, turpentine; gum spirits and wood (steam distilled and sulphate), (for) paint.

Copies of the proposed specification may be obtained by writing E. F. Hickson, chairman of the technical committee on paints and varnishes, of the Federal Specifications Board, National Bureau of Standards, Washington, D. C.

Cottonseed Crush Smaller

Cottonseed received and crushed and production of cottonseed products from August 1 through January 31, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons	
	1945-46	1944-45
Receipts	[1]2,801,547	3,963,951
Crushed	2,385,842	2,604,851
On hand Jan. 31	634,053	1,350,956

Crude Oil

	Tons	
	1945-46	1944-45
Produced	741,648,000	827,865,000
Shipped	701,098,000	780,327,000
On hand Jan. 31	[2]128,166,000	169,221,000

Refined Oil

	Pounds	
	1945-46	1944-45
Produced	[3]598,403,000	642,595,000
Shipped	.....	.....
On hand Jan. 31	[4]378,321,000	311,704,000

Cake and Meal

	Tons	
	1945-46	1944-45
Produced	1,052,949	1,284,861
Shipped	1,044,135	1,178,623
On hand Jan. 31	61,072	84,268

Hulls

	Tons	
	1945-46	1944-45
Produced	568,742	623,798
Shipped	579,330	587,556
On hand Jan. 31	51,109	51,036

Linters

	Bales	
	1945-46	1944-45
Produced	[5]720,607	787,192
Shipped	640,794	726,226
On hand Jan. 31	[6]98,389	122,686

[1]Includes 902 and 6,500 tons destroyed during 1945-46 and 1944-45, respectively. Does not include 219,340, and 118,256 tons on hand August 1, 1945 and 1944, respectively, nor 29,076 and 47,998 tons reshipped during the seasons 1945-46 and 1944-45.

[2]Includes 51,873,000 pounds at oil mills, 59,880,000 pounds at refining and manufacturing establishments and 16,413,000 pounds in transit.

[3]Produced from 667,087,000 pounds of crude oil.

[4]Includes 361,155,000 pounds at refining and manufacturing establishments and 17,166,000 pounds held elsewhere and in transit.

[5]Includes 183,663 bales first cut, 461,888 bales second cut and 75,056 bales mill run.

[6]Includes 44,756 bales first cut, 49,154 bales second cut and 4,479 bales mill run.

Northwest Paint Technicians Discuss Paint Exposures

John Broeker, of E. I. du Pont de Nemours & Co., Wilmington, Del., and William Brophy, of R. T. Vanderbilt & Co., New York, presented a paper reviewing the results of house paint exposures at the February meeting of the Northwestern Paint and Varnish Production Club. Other speakers were J. W. Van Tuin and Lawrence Anderson, of Nuodex Products Company, Elizabeth, N. J.; Samuel Sorenson, of Archer-Daniels-Midland Company, St. Paul, Minn., and Earl Erlandson, of the United States Maritime Commission.

Ferbert-Schorndorfer Names Clarke President

Kenneth E. Clarke has been elected president of the Ferbert-Schorndorfer Company, paint materials manufacturer, Cleveland, a division of the America-Marietta Company. Mr. Clarke, who was with the Charles R. Long jr. Paint Company, Louisville, Ky., for twenty-five years, resigned as vice-president of that company last year, to become president of the Ferbert-Schorndorfer.

Gypsum Ass'n Appoints Abbey Research Engineer

Chester E. Abbey has been appointed research engineer for the Gypsum Association of Chicago. He was discharged recently as a lieutenant in the Navy.

NPVLA Gets Navy Achievement Award

The National Paint, Varnish and Lacquer Association has been awarded a certificate of achievement by the Navy, "in recognition of exceptional accomplishment in behalf of the U. S. Navy, and of meritorious contribution to the national war effort." The certificate, signed by H. Struve Hensel, Assistant Secretary of the Navy, has been transmitted to the members of the national organization.

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Oils, Fats, and Waxes

While consuming inquiry for oils and fats was undiminished during the week, scarcity of supplies kept the volume of sales at a low level. Demand continued to exceed supplies of practically all fats and oils.

Allocation of 3,000 tons of soybean oil for an equal quantity of olive oil from Greece, resulted in considerable activity in olive oil circles. Principals in Greece were requested to make offerings, and replies from there indicated that olive oil was available, but that drums were scarce. Trading was not consummated as the trade awaited additional information and export permits for soybean oil. Office of International Trade stated that exporters of soybean oil will have to refund the subsidy on crude or refined oil before export permits will be granted. OPA also amended second Rev.MPR to provide that subsidy payments may be added to the base export price.

Tight conditions in drying oils were only slightly eased by the higher price ceilings for dehydrated castor oil. Crushers were making deliveries against former orders, but were restricting new business to small lots because of limited supplies.

The situation in oiticica oil has become tighter with stocks here scarce and higher. Brazilian market was firmer under an active demand. Prompt and nearby shipments from Brazil were withdrawn during the week and June forward positions were boosted. Linseed oil was unobtainable except in small quantities for delivery on previous contracts. Business in tung oil was at a standstill for both the domestic and Chinese oil.

Carnauba wax was in active demand on the spot and for shipment resulting in sharply higher prices, especially in Brazil. Offerings from there were limited and spasmodic. This strength was reflected in ouricury wax. Crude beeswax also was firm at primary markets and on the spot.

Market Trends

Prices Advanced

Carnauba wax, 3c. to 5c. per lb.
Castor oil, No. 1, No. 3, 1¼c. per lb.
dehydrated, 1½c. per lb.
Oiticica oil, ½c. per lb.
Ouricury wax, 5c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	193.3

(For Current Prices see page 9)

Cottonseed Oil

Consuming interest has not subsided for crude and refined oils. Supplies continued scarce and business was spasmodic and confined to scattered sales at ceilings. Reports from the South indicated that the bulk of crude oil was owned by crushers who also operated refineries. Independent producers were sold ahead and some have ceased producing owing to the lack of seed.

Crude oil production totaled 137,976,000 pounds, consumption 132,924,000 pounds and stocks were 114,477,000 pounds in December. Refined oil output was 119,752,000 pounds, consumption, 64,008,000 pounds and stocks 359,143,000 pounds during the same month.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
March	....	....	14.31 nom.
May	....	....	14.31 bid
July	....	....	14.20 bid
September	....	....	14.00 bid
October	....	....	14.00 nom.
December	....	....	14.00 nom.

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Memphis, Feb. 21.—Urgent demand for cottonseed products unfilled. Few days of good weather enabled some cotton picking. Considerable cotton still in fields.

Atlanta, Feb. 21.—Cottonseed and peanutoils and meals practically unobtainable. Stocks of cottonseed meal on hand at Georgia mills February 1st amounted to only 7,681 tons, as compared to 11,649 a year ago. Seed on hand totaled 58,791 tons, compared to 94,606 last year, almost less than one-half. Total production this season is estimated at 31,000 tons less than last season. Crude cottonseed oil stocks on hand at Georgia mills February 1st were 4,150,000 pounds, as compared with 3,837,000 a year ago.

Linseed Oil

Tight supply conditions continued to dominate the seed and oil situation and the chances of obtaining seed replacement from the Argentine or Uruguay during the balance of the month appear slim, indeed. It was stated that unless Eastern mills obtain seed by March 1, crushers would be compelled to shut down shortly, after the turn of next month.

Outside of deliveries of oil against contracts, the market was dull and featureless during the week.

Imports of flaxseed into the United States totaled 592,000 bushels valued at $1,006,000 during last November. For the eleven months ended November, 1945, arrivals of flaxseed were 3,510,000 bushels compared at the cost of $8,914,000 with 10,522,000 bushels valued at $30,272,000 during the same period in 1944.

Buenos Aires, Feb. 19 (Comtelburo)—Exporters of flaxseed are today bidding the equivalent of $1.97 (United States currency) per bushel for seed, which is 31 cents above the basic United States Commercial Company-Argentine price agreement level of $1.66 per bushel, f.o.b. steamer.

Minneapolis, Feb. 20.—Linseed oil business was entirely governed by the supply of cash seed, and with supplies down to zero crushers were in no position to make further sales. Mill operations were curtailed during the second week of February and it is estimated that local production is approximately 75 percent of capacity.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	6,780,000	3,720,000
Since Sept. 1	165,160,000	142,620,000

Los Angeles, Feb. 20.—Linseed oil market remains steady with only light trading reported this week. Supplies are scarce. Most orders are delivered against previous contracts. Oil was quoted at 14.5c. per pound in tankcars, and drum carlots, 14.9c.

Flaxseed—Arrivals of flaxseed were further reduced during the week. Growers were holding off with the expectation that higher parity prices would be granted.

Minneapolis, Feb. 20.—Flax receipts in the Northwest market continued to taper off, producers' holding attitude hardening even further as the chance of higher parity prices and ultimately higher ceilings seemed greater after the political developments of the past fortnight.

	Receipts— 1945-46		Shipments— 1944-45	
This week	94,500	16,500	75,000	10,500
Since Sept. 1	16,987,500	9,071,500	3,481,500	1,433,000

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, Feb. 21.—Cables not received because of Washington Birthday holiday. Flaxseed shipments, if any, will be included in next week's issue. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, Feb. 21.—Bombay, £40½, February; Calcutta, £35½, February; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated—An active demand continued at the higher price ceiling established by OPA February 18. Crushers resumed deliveries against contracts, but restricted new sales to less than carlots because of low supplies. Dehydrated bodied oil was advanced to 19.35c. per pound and unbodied at 18.35c. per pound, in tankcars.

Oiticica—An urgent demand, combined with the lack of supplies on spot and the scarcity of offerings for shipment from Brazil, further strengthened the market. Sellers restricted shipments to June-July from Brazil. Prices were advanced to 25½c. per pound, drums, on the spot, and futures also were higher at 24c. to 24½c. per pound, drums, landed New York, compared with recent business of 23c., same basis.

Olive—Under the recent agreement entered into by this government with Greece for the exchange of 3,000

For Late Market Developments, See Page 4

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metric tons of soybean oil for an equal quantity of olive oil, exporters of soybean oil have been notified by the Office of International Trade that they will have to refund the subsidy payments made on the soybean oil by the CCC before export licenses will be granted. The subsidy amounts to 3¾ cents a pound on crude soybean oil and 4 cents per pound on the refined. Such refunds will not be required, however, in cases where the exporter submits proof of a binding commitment to export at a price which cannot be increased by the amount of the refund, or in cases where the CCC determines that extreme and unusual hardship will result to the exporter.

In order to enable adjustments in price necessitated by the refund procedure, the OPA has amended Section 3(e) of the 2nd Rev. MPR, amendment 9, to provide that an exporter who pays any subsidy may increase his base price by not exceeding the amount of the payment.

Sunflowerseed—Area planted to sunflowerseed in Argentina for the 1945-46 season, placed at 3,882,000 acres, is the largest on record, according to the first official forecast reported to the Department of Agriculture. This is an increase of 5 percent over the corresponding estimate of 3,695,000 acres for the 1944-45 and of 39 percent above the harvested area of 2,800,000 acres for the same season.

Tung—There was no change in the tight situation during the week. Demand continued keen for both Chinese and domestic tung-oil. Production of domestic oil was sold up. Unstabilized business conditions existing in China prevented the closing of considerable business for shipment during the past month.

Fats and Greases

Greases — Production was readily taken against former contracts and light offerings were purchased at ceilings. Market was firm and demand unsatisfied.

Lard—Trading was confined to less than carlots. Buying interest exceeded available supplies. Stocks of lard and rendered pork fat increased to 84,147,000 pounds, February 1, compared with 82,826,000 pounds, January 1 and 81,894,000 pounds, February 1, last year. The five-year average was 191,552,000 pounds. Lard stocks in Chicago amounted to 23,051,817 pounds, February 15, against 15,155,691 pounds, February 1 and 7,224,800 pounds, February 15, a year ago.

Tallow — Quiet trading was noted during the week. Scattered sales were reported at ceilings. Demand was keen and supplies scarce.

Animal Oils

Degras — Imports totaled 178 drums of wool grease during the week. Trading was moderate. Supplies were well held at former levels.

Grease Oil—Inquiry continued keen, with business restricted because of light supplies. Prices remain firm.

Neatsfoot Oil — Export demand exceeded domestic requirements. Market was unchanged and steady.

Oleo—Small quantities were moving against former orders. Production was light and sold up.

Fish Oils

Cod—Business continued slow in the absence of supplies. Prices were entirely nominal. Arrivals were reported of 221 casks and 183 drums at New York during the week, for consignment against prior contracts.

Menhaden — Demand for refined grades was urgent but business was quiet, owing to light supplies. Refiners were sold up and were practically out of the market. Prices were firm at ceilings.

Baltimore, Feb. 19.—There have been no developments which might have caused the menhaden fishing companies in North Carolina to try operations, and the shut-down seems to be for good, with the factories off the Florida coast not due to become active until some time in May.

Sardine—With stocks of refined oil practically unavailable, the local market was dull, but firm. Demand was active.

Los Angeles, Feb. 20.—Sardine oil market remains steady, but supplies are short. Bad weather again swept the Pacific coast, resulting in poor fishing.

Fatty Acids

Red Oil—Producers confined operations to deliveries on prior orders. Output was sold up and supplies scarce. Prices were firm at ceilings. Arrivals were noted at 240 drums during the week.

Stearic Acid—An active demand was unsatisfied. Supplies were scarce and production sold up. Market was steady at ceilings.

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Cake and Meal

Cottonseed Meal — Demand continued to exceed supplies. Reports from Georgia stated that nearly all meal and uncrushed seed was committed to seed handlers at the ceiling. Owing to small production no set aside cars were produced in January and none was expected during February.

Linseed Meal — Crushers offering meal only in limited quantities and confined deliveries against former contracts.

Minneapolis, Feb. 20. — Meal demand was intensified as feeders foresaw an even greater protein shortage as flour mills were forced off the white flour standard and potential supplies of millfeed were automatically cut 35 percent for the coming months.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	7,200,000	4,500,000
Since Sept. 1	235,240,000	197,860,000

Peanut Meal — Production inadequate to supply less than carlot demand. Bids at ceilings attracted little attention.

Waxes

Beeswax—Firm conditions dominate the primary markets, and this was reflected locally. Inquiry was fairly active for spot delivery, but supplies were light and closely held at former levels. Arrivals totaled 176 bags during the week.

Carnauba—Further advances were reported in the Brazilian market during the week under a good demand. Sales were noted at $1.22 per pound for No. 3, North country, and prices advanced to $1.25, f.o.b. Ceara for prompt shipment, No. 1 yellow, was held at $1.50 per pound, same basis. Consuming demand was active for spot and forward delivery. Offerings for shipment from Brazil continued light and spasmodic. Imports were noted at 76 bags during the week.

Ouricury—Supplies here and in Brazil were reported small and advanced. Sales of fair quality crude were reported at 90c. per pound, f.ob. Brazil, with sellers asking up to $1 per pound for good material. Arrivals of crude of late have been of inferior grade, and refining losses have exceeded 40 percent in some instances. Imports amounted to 380 bags during the week.

Margarin Output Smaller

Margarin production during December was smaller than in November, according to statistics compiled by the Bureau of Internal Revenue.

	Pounds	
Production of uncolored oleomargarin	[1]41,101,982	[2]49,413,585
Withdrawn tax-paid	41,388,957	50,237,466
Used in Uncolored Margarin		
Butter flavor	679	1,933
Citric acid	133	243
Corn oil	615,330	1,011,630
Cottonseed oil	14,415,335	21,521,723
Cottonseed stearin	655	45
Derivative of glycerin	84,142	87,376
Diacetyl	74	99
Estearin	8,582	7,708
Lecithin	49,574	57,881
Milk	6,884,845	8,773,268
Monostearin	26,139	35,692
Neutral lard	233,426	634,173
Oleo oil	228,129	502,340
Oleo stearin	290,792	215,476
Oleo stock	13,610	85,306
Peanut oil	1,290,453	440,119
Salt	1,206,685	1,560,706
Soda, benzoate of	26,252	29,923
Soybean oil	16,331,108	15,612,513
Soybean stearin	.....	2,923
Tallow	1,800	.....
Vitamin concentrate	9,596	8,364
Total	41,777,339	50,649,845
Production of colored oleomargarin	[3]3,341,287	3,010,200
Withdrawn tax-paid	1,618,602	2,169,948
Used in Colored Margarin		
Butter flavor	27	23
Color	2,500	5,043
Corn oil	311	2,368
Cottonseed oil	626,717	826,715
Derivative of glycerin	4,776	2,814
Diacetyl	12	4
Estearin	510	184
Lecithin	2,333	1,819
Milk	535,570	517,211
Monostearin	902	1,645
Neutral lard	112,566	52,243
Oleo oil	306,639	30,645
Oleo stearin	.....	1,500
Oleo stock	.....	15,960
Peanut oil	15,940	401
Salt	104,454	98,333
Soda, benzoate of	1,820	1,585
Soybean oil	1,637,906	1,481,371
Soyflakes	.....	400
Vitamin concentrate	1,082	350
Total	3,350,825	3,040,604

[1] Of the amount produced, 6,277 pounds were reworked.
[2] Of the amount produced, 9,727 pounds were reworked.
[3] Of the amount produced, 24 pounds were reworked.

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OPD—2-25-1946 73

100% Pure Amorphous — Refined Mineral

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UTAHWAX
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Actual photo of mined ore

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A STATEMENT

by

Mr. Fred R. Firstenberg

President of the

FIRST MACHINERY CORP.

●

Some months ago, the New York Housing Authority confiscated our building to make way for a model housing project. The time has now come to vacate. Every practical business man will appreciate our decision to sell every piece of equipment we own instead of removing it to our new headquarters; the quickest way was an absolute, unrestricted Public Auction.

Therefore, we have turned over our entire stock and our machine shop and rebuilding facilities to be sold by the Industrial Plants Corp. (see Pages 17 and 18).

●

A New and Greater

First Machinery Corp.

will be established at

157 HUDSON ST.

New York 13, N. Y.

We have acquired a tremendous building at a spot in New York City, easily accessible from every part of New York and New Jersey. Every Subway has a station near-by and we are preparing greatly augmented facilities to serve you on a far grander scale. The First Machinery Corp. business will NOT STOP for one minute. We are prepared to supply you with Good, New or Rebuilt Equipment as before and more than ever we are interested in your SURPLUS units. A Formal Announcement and Invitation to visit our premises will shortly appear in these columns.

MEANWHILE

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All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

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Pharmacists and pharmaceutical salesmen, be independent! Investigate this plan of distribution. A new plan of exclusive distributorship is offered to the right man or company who can qualify. We are offering an ethical line of pharmaceuticals, A.M.A. accepted products, outstanding specialties and adequate exclusive territories where products have been established. If you are the right man, this is a real opportunity for owning your own business. Write past experience and details in first letter. OPD 695.

AGENCIES WANTED

Responsible firm contacting textile, leather, paper and fur dyeing industries seeks additional products of proven merit to sell. Furnish full details. OPD 708.

EQUIPMENT WANTED

Wanted: Stokes or Colton automatic tube-filling and closing machine. Wire details Craftint Manufacturing Co., 210 St. Clair avenue, N. W., Cleveland, Ohio, or phone Main 8843.

Wanted—Polarimeter. High grade instrument for research only. Suitable for micro work. Submit details and price. OPD 703.

Want 100 gallon or larger extra heavy duty jacketed W & P mixer. The Cellowax Company, 601 E. Montgomery street, Baltimore, Maryland.

FORMULAS WANTED

Dry cleaning soap formulas wanted. We wish to buy formulae to make up a high grade liquid dry cleaning soap, spotting materials, etc. Finished products must compare favorably with leading soaps and spotters on the market. Anyone free to apply as we have not to date been engaged in this industry. OPD 693.

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Used Union colorimeter, complete with color standards, jars and daylight lamp. OPD 704.

Sodium lactate. Have approximately 11,600 pounds of refined, edible, water-white, 60 percent solution in 13-gallon carboys, attractively priced. OPD 707.

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1—Oliver Filter, 3' x 1', 5' x 8'.
3—Rotary Vacuum Dryers, 4'x10', 4'x15', 5'x33'.
1—Buffalo Lab. Vac. Double Drum Dryer, 6" stainless steel drums.
1—Stokes 48" x 72" Atmos. Double Drum Dryer.
2—6' x 27'6" Rotary Steam Tube Dryers.
1—5-Roll Raymond Mill.
2—American 16" x 40" 3 Roller Mills, water cooled, motor driven.
1—Kent 13" x 32" Super-Five Roller Mill, motor driven.
4—Stokes Rotary B and BB Tablet Machines.
5—Stokes, Colton, Mulford Single Punch Tablet Machines, 3B, 3D and "F".
3—Tyler Hummer Screens, 3' x 5' 4'x5'.
3—Hardinge Ball Mills, 4½' x 24" 4½' x 16" 3' x 8"
7—Pebble Mills, 50, 100, 280 gal.
2—Moss Colloid Mills, Stainless Steel, 3 H.P.
1—Hurrell Colloid Mill, motor driven, 20 hp. motor.
5—Copper Vacuum Pans, 30", 42" 48", 5' and 6' dia.
1—Portable Revolvator, 1800 lb., motor driven.
5—1200-lb. Brand New Powder Mixers.
3—3000-lb. Powder Mixers.
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1—Stokes Gas Fired Hot Air Dryer, 16 shelves.
6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200, 500, 750 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
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8—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
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1—Day "Howard" type 400 gal. Steel Jacketed, Agitated Kettle.
1—Copper Varnish Kettle, 175 gal
2—1,750 gal. Lead Lined Closed Tanks.
1—Lancaster 30" Batch Mixer.
3—Powder Mixers, 100 to 800 lb.
1—W. & P. Mixers, 9, 20, 100 gal.
1—Howes 24" x 12' Powder Mixer
1—Williams No. 1 Hammer Mill.
2—National, Day Powder Fillers.
5—World, Ermold, National Labelers.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
6—Shriver, Sperry Filter Presses. 36", 32", 30", 24", 18", 12".
5—Shriver Wood Filter Press Skeletons, 24" to 42".
4—Sharples No. 6 Centrifuges, open and Pressurtite.
8—De Laval No. 300, 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type, Bottom Discharge Centrifugal, solid basket, M.D.
5—Tolhurst 30", 40", 48" Self-Balancing Type Centrifugals.
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4—Atmos. Drum Dyers, 4' x 9', 5' x 7', 5' x 8', 28" x 60".
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2—Swenson Continuous Crystallizers, 24" x 30'.
3—Read 100 gal. Double Arm Steam Jacketed Mixers, practically brand new.
3—Day 18" Pressure type ointment mills.

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800 ft. of Lamson & Matthews Heavy Duty Roller Conveyor, 22" to 26".
10—12" Belt Conveyors, 20 to 50' centers, built to specifications
800 HP of Motors, 10 to 150 HP, Westinghouse, 3/60/440 volt. 440 to 860 RPM.
4—Rotary Kilns, 8' x 100', 9' x 70', 9' x 65', 6' x 60'.
1—Hersey Rotary Dryer, 5' x 30'.

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225 WEST 34th STREET
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Warehouse—2401 3rd Ave., Bronx, N. Y.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 647.

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once Correspondence treated confidentially. OPD 676.

MATERIALS WANTED

Will purchase entire output of coal-tar or water-gas tar. Have facilities for immediate removal and storage. Address OPD 648.

POSITIONS VACANT

Small plant producing a limited line of organic chemicals and pharmaceutical specialties in New Jersey metropolitan area interested in plant manager to handle overall operations who can add new items with future for expansion. Prepared to work out salary, bonus and royalty arrangement. Confidential! OPD 690.

POSITIONS VACANT

Chemical executive assistant. Experienced buyer with knowledge export trade for large import-export firm. Exceptional opportunity. State full particulars. OPD 705.

Paint and varnish chemist: Medium size, well-known and progressive Eastern manufacturer has a really good opportunity to offer for a man who has general all-around experience with shelf goods, varnishes and industrials. Excellent salary and bonus arrangement. Rest assured your replies will be held strictly confidential. Our employees know of this ad. OPD 669.

FOR SALE

Stainless Steel Tanks—new—100 and 200-gal. dished bottoms with stands.
9 new Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity.
Steam Jacketed Kettle 9' dia. 5' deep, with agitator (new).
Copper tank with agitator and coil, 66" dia x 7' high.
2 International Centrifuges, size 3, Type F.S., Stainless Steel with Motors and Starters.
Copper Evaporator with Stokes Condenser.
Shriver Filter, 24", open del., 25 plates, cast iron.
1 Stokes and 1 Devine Vacuum Pump.
2 Copper Percolators.
Stainless Steel Vert. Tank, 7' dia x 10', No. 430 Chrome.
Colton Capsule Machine with Dies.
6 De Laval Imo Pumps, 2" suc. 2" disch., new.
Stainless Steel Pumps (new) with G. E. Explosion-proof Motors.
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Large stock Brooklyn warehouse. All equipment priced low to save moving expense.

PHONE—WIRE—WRITE

1—Chrystie 80"x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
1—Hardinge 6'x48" Conical Mill.
1—Tube Mill, 5'x15'.
2—Dorr 15' Bowl Classifiers.
1—Sturtevant 36" Rock Emery Mill.
2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
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2—Adamson 6" Extruders.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
1—150 gal Copper Jack. Kettle.
800-ft. Ball Bearing Roller Conveyor, 12" & 15" wide, 10-ft. lengths.
12—Filter Presses, Iron, Wood and Rubber 18" to 42" sq.
1—Cumberland Size O Rotary Cutter, 1 H.P. motor.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50-gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
1—Jeffrey Type 2A Electric Vibrator Unit.
2—4,000 gal. Acid Proof Tanks.
2—Devine Horiz Vac. Pumps, 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine Vert. Condenser.
1—Oliver 14"x8" Duplex Vac. Pump.
1—Penn. Vac. Pump, 14"x5".
1—National Acme Model C30 stainless steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Ross 16"x40", 3-Roll Mill.
3—Double Stand Steel 4, Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 60 gals.
8—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neill 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

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STEIN EQUIPMENT COMPANY

Department E
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ABSOLUTE AUCTION SALE

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MACHINERY and EQUIPMENT

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SEE

Pages 17 and 18

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UNION Rebuilt Machinery Established 1900

Special Offerings for Immediate Delivery!

W. & P., Day Cincinnatus and Imperial Type Mixers; Hottman Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons
Elgin 24 spout Rotary Vacuum Filling Machine.
Gayco 8 ft. Air Separator.
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Mullers or Chasers 2 ft. to 6 ft. sizes.
Ermold and World Semi-Automatic Labeling Machines.
U. S. Bottlers C-10 and A-6 Acme Fillers.
Copper Steam Jacketed Kettles with and without Agitators.
Read, and Century Vertical Mixers. M.D.
Johnson and Oliver Sweetland Filter Presses.
Copper Stills and Vacuum Pans.
Huhn Rotary Continuous Dryers.
Schutz O'Neill Rotex, and Allis-Chalmers Lowhead Sifters.
Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your item with Your Inquiry.)

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10 h.p. Explosion Proof Motor
220 volt—3 phase—60 cycle
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50 Gallon Capacity

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1—Devine Lab. Vacuum Shelf Dryer, 3 shelves, 17"x34".
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1—Devine Vacuum Pump, 52 cfm —M.D.
2—Stokes Rotary B Tablet Machines.
1—Shriver 36" Filter Press, 40 chambers.
1—B. & B. Hydraulic Press, 18" ram.
3—Jacketed Glass-Lined Tanks, 150 to 1,000 gal. capacity.
1—Kux Lobner Rotary Tablet Machine, 1" dia.
1—Stainless Steel Vacuum Hopper, jacketed, 18"x84".
1—Monel Still, 36"x60", with 12" dia. x 12' column.
1—General Ceramic Suction Filter, 90 gals.

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2—Rotex Sifters.
1—Colton Pill Plant.
1—Ross Nos. 30-40 gallon Pony Mixers.
1—Jumbo Day Mixer, 170 gal., aluminum-lined.
1—Standard Knapp 11' Compression Belt.
1—Stokes Model T Tablet Machine.
1—Stokes Model O Tablet Machine.
2—24" Wood Filter Presses.
5—100-lb. Dry Powder Mixers.
3—Shriver 24x24 and 42x42 Wood Filter Presses.
10—Alsop Ertel Kiefer Disc Filters. 3 to 20 disc.
3—New Abbe Lenart Mixers—S.S. —explosion-proof motors.

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Business Wants

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Production chemist to make complete line of household products, self-polishing waxes, furniture polishes, cleansers, etc., with plant located in Birmingham, Alabama, having national distribution. Prefer married man not over 40. This is a splendid opportunity with young, growing concern for a man to take full charge and grow with company. Please give full particulars as to background, salary, availability, in first letter. Confidential. OPD 655.

Manufacturing chemist: Experienced in formulating floor waxes, miscellaneous polishes, and other chemical specialties. New York area. Give details of self, experience, and starting salary expected. OPD 648.

Chemical Secretary: Unusual opportunity. Research laboratory in high polymers and textiles. New York City. Woman with good chemical training and experience, and some secretarial experience. The exercise of judgment is required. OPD 689.

Wanted — By well-established Midwest pharmaceutical house man or woman experienced in ampule manufacturing and control. Good opportunity to assist in establishing and to head this department. OPD 696.

Salesman—High type man with several years proven sales experience in organic chemical specialties. Good opportunity for man having sound chemical knowledge and willing to travel. Liberal salary. All replies confidential. OPD 710.

Chemist, glycerophosphates — to take complete charge of department; must have experience in manufacturing and control. A marvelous opportunity to the right man. OPD 711.

POSITIONS WANTED

Chemical sales executive available. Experienced in sales development, distribution, export. OPD 666.

Chemical executive, capable, fifteen years experience industrial research, production, chemical control, pharmaceuticals. College and university trained. Age 40. Married. Location immaterial. Available immediately. OPD 679.

POSITIONS WANTED

Salesman, Chicago, nine years sales, two years advertising experience. Seeks to represent quality drug or chemical firm or firms. Now on terminal leave from army. Free to travel, but prefer Chicago. Commission. OPD 681.

Printing ink chemist. Formulator inks, varnishes, adhesives. Production control. Dry colors, pigments. Superintendent. Many years experience. Greater New York. Employed. OPD 686.

Salesman—Chemical engineering background desires to represent responsible manufacturer. Fifteen years versatile experience sales, research, business, consultation. Married. Children. Philadelphia area or surrounding territory preferred. Pleasing personality. Available immediately to right proposition. OPD 697.

Chemist, Ph.D., experienced research, development, drugs, organics, specialties, offers part time or consultant services; possibly in exchange for use of laboratory or suitable space in Manhattan. OPD 698.

Exports: organizing and revitalizing ability, with thorough knowledge of consumer goods, bulk materials, manufacturing processes and machinery; will take charge of department or set up export affiliate; compensation dependent on results; interested only where possibility of earnings is substantial. OPD 699.

Chemist: development, production man. Capable initiating and completing research programs. Expert transposing laboratory to full scale. Experienced resin adhesives, varnishes, inks, coatings, low pressure molding. Locate New York City or New England States. Immediately available. OPD 701.

Pharmaceutical and allied products, production executive, now considering change with progressive house—anywhere. Fully capable, married, in early fifties. College graduate. Engineering background. Experience has been broad, involving comprehensions of varied manufacturing problems and the broad use of business judgment. $6,500 to $10,000. Conditions more important than income. OPD 712.

POSITIONS WANTED

Over twenty years with one of the most diversified heavy chemical manufacturers and distributors. Office, factory, and resident representative experience. Can go to work for you tomorrow. OPD 706.

Chemist, recent Ph.D., wide general background, with industrial experience, is interested in joining small organization, in the organic or specialty products field on the West Coast. Furnish services, limited capital if necessary. OPD 700.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N. Franklin Street, Chicago 10, Ill

TO RENT

Laboratory facilities: Have available laboratory space with all modern facilities, including large variety of glass equipment, pumps, heated tubes with electrical-temperature control, hydrogenators, homogenizers, etc. Have adjoining laboratory for analytical work. Glassware includes equipment for experiments up to a 12-liter scale. Ideally suited for research in organic synthesis, pharmaceuticals, essential oils, cosmetic compounding, and most types of chemical research. Located in metropolitan area of New Jersey. OPD 709.

First Machinery Corp. To Hold Auction Feb. 27

The First Machinery Corporation will auction off equipment and machine shop tools February 27-28, prior to moving about March 31 to its new location at 157 Hudson street. The corporation is now located at 819-837 East Ninth street. Fred R. Firstenberg is president of the company and Louis J. Shapiro is vice-president.

Zinc-Lead Deposits Data On No. Colorado Ready

The Geological Survey of the Department of the Interior has completed a preliminary report and maps on the zinc-lead deposits of the Kokomo mining district, Colorado. They may be inspected at the Geological Survey office, Washington, D. C.; the office of the State Commissioner of Mines, and the office of the Colorado Metal Mining Fund, both Denver.

Dorward & Sons Names Dahl Linseed Oil Agent

Dorward and Sons Company, linseed oil manufacturer, San Francisco, has named S. T. Dahl Company, Los Angeles, as distributor for Dorward's linseed oil products in Southern California. C. L. Duncan Company, Los Angeles, will continue as agent for Dorward's sardine oil products in that territory.

Sonneborn Appoints Munhall West Pa. Representative

Charles R. Munhall, formerly office manager at the Painesville, Ohio, plant of the Diamond Alkali Company, Pittsburgh, has joined the white oil and petrolatum division of L. Sonneborn Sons, Inc., New York. He will represent the division in western Pennsylvania and the panhandle of West Virginia, with headquarters in Pittsburgh.

Trade Briefs

B. Brewster Jennings, president of Socony-Vacuum Oil Company, New York, has been appointed chairman of the men's division of the special gifts committee of the Memorial Cancer Center Drive.

Uranium is so rare that talk concerning utilization of atomic energy for peacetime pursuits in the near future borders on the fantastic, according to Walter Janssen, consultant on metals and minerals for the Department of Commerce.

Rudolph G. Sonneborn, of L. Sonneborn Sons, Inc., petrolatums and mineral oils, New York, has been named associate chairman of the United Palestine Appeal, central agency in the United States for the rebuilding of the Jewish National Home in Palestine.

New Jersey Standard Oil Company and the Creole Petroleum Corporation are among the sponsors of an expedition by Dr. William Beebe and the staff of the New York Zoological Society's department of tropical research to study jungle life at the society's field station at Rancho Grande, Venezuela.

Cadmium Supply Exhaustion Seen

OPD Washington Bureau

The electroplating industry as well as other cadmium users must substitute other metals to prevent an early exhaustion of the cadmium supply, Civilian Production Administration officials told members of the Cadmium Distributors Industry Advisory Committee at its initial meeting last week. Electroplating of bobby pins, pin ball machines and other unessential products has snowballed the cadmium demand far above prewar levels, and may bring about new restrictions on the use of the metal, CPA said. The members attending the industry advisory committee meeting represented more than 95 percent of the suppliers of cadmium to the electroplating industry and more than 50 percent of the end users of the metal.

Industry members agreed that there had been a marked switch to cadmium from zinc and other metals during the war years because of the ease of handling cadmium metal. Furthermore, many Army and Navy specifications made the use of the metal mandatory for airplanes and other armament. However, other metals are satisfactory for electroplating most peacetime products. CPA said, even if the latter involve slightly more processes.

Current cadmium demand is running at a 9,000,000-pound annual rate against estimated annual production of 8,000,000 pounds. Current use compares with a 1940 production rate of 6,000,000 pounds when supply and demand of the metal were virtually in balance.

The present rate of cadmium use has only been made possible through heavy inroads on the government's stockpile, according to officials of CPA's Tin-Lead-Zinc branch. They disclosed that the government stockpile dropped to around 700,000 pounds at the end of January from above 1,300,000 pounds on September 1, 1945 (shortly after cadmium controls were originally removed).

The 700,000-pound stockpile represents a 150,000 pounds drop in government inventories during the month of January. In the face of this dwindling supply, the Civilian Production Administration reinstituted cadmium controls on January 29, 1946 through the issuance of order M-389.

In comparing present use of cadmium with pre-war use, industry members admitted that many electroplaters were now using the metal for virtually all their products ranging from bearings to baby furniture. In pre-war times zinc electroplating outstripped cadmium use in a ratio of about five to one.

There must be an immediate return to the prewar electroplating methods even if it involves the more laborious processes involved in zinc plating and in plating other metals, CPA said.

Government officials explained that meeting could not be regarded as conclusive expression of the industry inasmuch as it involved only slightly more than 50 percent of cadmium users. Accordingly, CPA plans to call in users of cadmium for bearings, alloys, pigments, ceramic colors, and chemicals (photography) to obtain as close to a 100 percent representation of cadmium users as possible before evolving new restrictions on the use of the metal.

Members of the newly formed Cadmium Distributors Industry Advisory Committee included: Archie MacDermid, of the MacDermid Corporation, Waterbury, Conn.; L. K. Lindahl, of the Udylite Corporation, Detroit, Mich.; Robert V. Henning, of the Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.; E. L. Gartner, of E. I. du Pont de Nemours & Co., Wilmington, Del.; G. H. Merz, of the Harshaw Chemical Company, Cleveland, Ohio; P. M. Savage, of the McGean Chemical Company, Cleveland, Ohio; Van Winkle Todd, of the Hanson-Van Winkle-Munning Company, Matawan, N. J.; C. W. Yorger, of the Lea Manufacturing Co., Waterbury, Conn.

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